

Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	2481	100.0	2481	4	US-09-564-805-1	Sequence 1, Appli
2	2481	100.0	2958	4	US-09-564-805-3	Sequence 3, Appli
3	2455.4	99.0	2908	4	US-09-564-805-223	Sequence 223, App
4	2442.6	98.5	2892	4	US-09-564-805-225	Sequence 225, App
5	1645.6	66.3	2470	4	US-09-564-805-221	Sequence 221, App
6	734.8	29.6	783	4	US-09-833-381-2039	Sequence 2039, Ap
7	470.4	19.0	536	4	US-09-833-381-2038	Sequence 2038, Ap
8	247.4	10.0	350	4	US-09-564-805-210	Sequence 210, App
9	247.4	10.0	26664	4	US-09-564-805-28	Sequence 28, Appli
10	245	9.9	295	4	US-09-564-805-4	Sequence 4, Appli
11	237	9.6	238	3	US-09-568-111-315	Sequence 315, App
12	228	9.2	655	4	US-09-564-805-27	Sequence 27, Appl
13	145	5.8	145	4	US-09-564-805-26	Sequence 26, Appl
14	139	5.6	139	4	US-09-564-805-16	Sequence 16, Appl
15	139	5.6	139	4	US-09-564-805-20	Sequence 20, Appl
16	121	4.9	121	4	US-09-564-805-24	Sequence 24, Appl
17	120	4.8	120	4	US-09-564-805-10	Sequence 10, Appl
18	119	4.8	119	4	US-09-564-805-18	Sequence 18, Appl
19	113.6	4.6	326	4	US-09-564-805-212	Sequence 212, App
20	113	4.6	113	4	US-09-564-805-14	Sequence 14, Appl
21	110	4.4	110	4	US-09-564-805-22	Sequence 22, Appl
22	100	4.0	100	4	US-09-564-805-23	Sequence 23, Appl
23	97	3.9	97	4	US-09-564-805-19	Sequence 19, Appl
24	96	3.9	96	4	US-09-564-805-15	Sequence 15, Appl
25	86	3.5	86	4	US-09-564-805-17	Sequence 17, Appl
26	79	3.2	79	4	US-09-564-805-25	Sequence 25, Appl
27	73	2.9	73	4	US-09-564-805-13	Sequence 13, Appl

QY 241 AACGGTATCTCTTCAACTGTGGAGAGGCGTTTCAGAGACTCATGACAGGACACAGTTA 300  
 Db 241 AACCGGTATCTCTTCAACTGTGGAGAGGCGTTTCAGAGACTCATGACAGGACACAGTTA 300  
 QY 301 AAGGTGTCTCGCTTGGACCAACATATTCCTGACACGAATGCACTGGTCTAATGTGTTGGGGC 360  
 Db 301 AAGGTGTCTCGCTTGGACCAACATATTCCTGACACGAATGCACTGGTCTAATGTGTTGGGGC 360  
 QY 361 TTAAGTGAATGATCTTTAATTAAGGAAACCGGGCTTCAAAGTGTGACTTTCTGGA 420  
 Db 361 TTAAGTGAATGATCTTTAATTAAGGAAACCGGGCTTCAAAGTGTGACTTTCTGGA 420  
 QY 421 CCTCCAACTGGAAATACTCGAAGCAATCAAAATATTTCTGTGTCATTGAAGA 480  
 Db 421 CCTCCAACTGGAAATACTCGAAGCAATCAAAATATTTCTGTGTCATTGAAGA 480  
 QY 481 ATAGAACTGGGTGTGCGGCCCACTCTGCCCCAGAAATACGAGGATGAACCATGACAGTT 540  
 Db 481 ATAGAACTGGGTGTGCGGCCCACTCTGCCCCAGAAATACGAGGATGAACCATGACAGTT 540  
 QY 541 TACCAGATCCCATACACAGTGAACAGAGAGGAGGACCAACCATGCGAGAGTCCA 600  
 Db 541 TACCAGATCCCATACACAGTGAACAGAGAGGAGGACCAACCATGCGAGAGTCCA 600  
 QY 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCAATGAAT 660  
 Db 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCAATGAAT 660  
 QY 661 GAGCCACACTTCCACATGTTGTAGCCAGAGAGGAGGCTCAGGACTCTTCCCTGGTC 720  
 Db 661 GAGCCACACTTCCACATGTTGTAGCCAGAGAGGAGGCTCAGGACTCTTCCCTGGTC 720  
 QY 721 GTAGCTTTCACTCTAAGCTTCACTTAAAGAGGAGAACTTCTTGGTGTCAAGCAAG 780  
 Db 721 GTAGCTTTCACTCTAAGCTTCACTTAAAGAGGAGAACTTCTTGGTGTCAAGCAAG 780  
 QY 781 GAGATGGGCTCCAGTGTGGAACAGTGCATCGCTCCCATCATGTTGCTGTCAAGGAC 840  
 Db 781 GAGATGGGCTCCAGTGTGGAACAGTGCATCGCTCCCATCATGTTGCTGTCAAGGAC 840  
 QY 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900  
 Db 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900  
 QY 901 GATCCTGGTGTCTTTTGTGGTGAATGTCCAGATGAAGCTTCATTCAACCCATC 960  
 Db 901 GATCCTGGTGTCTTTTGTGGTGAATGTCCAGATGAAGCTTCATTCAACCCATC 960  
 QY 961 TGTGAGATGCCACCTTTCAGAGGTACCAAGGAAAGCAGATGCCCGTGGCTTGGTG 1020  
 Db 961 TGTGAGATGCCACCTTTCAGAGGTACCAAGGAAAGCAGATGCCCGTGGCTTGGTG 1020  
 QY 1021 GTTCACATGGCCCCAGCATCTGTCTTGTGGACAGCAGGTACCAAGAGTGGATGAGAGG 1080  
 Db 1021 GTTCACATGGCCCCAGCATCTGTCTTGTGGACAGCAGGTACCAAGAGTGGATGAGAGG 1080  
 QY 1081 TTTGGGCTGACACCCAGCACTTGGTCTGAAATGAGAACTGTGCTCAGTTCAACCTT 1140  
 Db 1081 TTTGGGCTGACACCCAGCACTTGGTCTGAAATGAGAACTGTGCTCAGTTCAACCTT 1140  
 QY 1141 CGCAGCCACAAGATTTCAACCCAGCTCAACCTCATCCACCGACATCTTCCCTGTCTC 1200  
 Db 1141 CGCAGCCACAAGATTTCAACCCAGCTCAACCTCATCCACCGACATCTTCCCTGTCTC 1200  
 QY 1201 ACCAGTTTCCGCTGTGAAGAGAGGCCCCACCTCAGTGTGCCCATGTTCAAGGTGAA 1260  
 Db 1201 ACCAGTTTCCGCTGTGAAGAGAGGCCCCACCTCAGTGTGCCCATGTTCAAGGTGAA 1260  
 QY 1261 TGCTCTCAAGTACAGCTCCGTCCAGAGGAGGTGGCAGAGGATGCCATTATTACT 1320  
 Db 1261 TGCTCTCAAGTACAGCTCCGTCCAGAGGAGGTGGCAGAGGATGCCATTATTACT 1320  
 QY 1321 TGCAATCTCTGAGGAATTCATAGTTGAGGCGCTGCAGCTTCCCAACTTCCAGCAGAGCGTG 1380

Db 1321 TGCAATCTCTGAGGAATTCATAGTTGAGGCGTGCAGCTTCCCAACTTCCAGCAGCGTG 1380  
 QY 1381 CAGGAGTACAGAGAGTGCAGCAGCGGCCAGCCCCAGCAGAGAAAGTCAAGTAC 1440  
 Db 1381 CAGGAGTACAGAGAGTGCAGCAGCGGCCAGCCCCAGCAGAGAAAGTCAAGTAC 1440  
 QY 1441 CCAGAAATCATCTCTTCTTGGAAACAGGGTCTGCCATCCGATGAAGATCGAAATGTCA 1500  
 Db 1441 CCAGAAATCATCTCTTCTTGGAAACAGGGTCTGCCATCCGATGAAGATTCGAAATGTCA 1500  
 QY 1501 GCACACATTTGCAACATAAGCCCGACACGCTCTCTGTACTTGGACTGTGGTGAAGGACA 1560  
 Db 1501 GCACACATTTGCAACATAAGCCCGACACGCTCTCTGTACTTGGACTGTGGTGAAGGACA 1560  
 QY 1561 TTTGGGCAAGTGTGCGCTCATTAAGGAGACAGGTGACAGGGTCTTGGGCAACCTGGCT 1620  
 Db 1561 TTTGGGCAAGTGTGCGCTCATTAAGGAGACAGGTGACAGGGTCTTGGGCAACCTGGCT 1620  
 QY 1621 GCTGTGTTGTGTCCTTCCACTGACGAGATCACCAAGGCTTGGCAAGTATCTTCTG 1680  
 Db 1621 GCTGTGTTGTGTCCTTCCACTGACGAGATCACCAAGGCTTGGCAAGTATCTTCTG 1680  
 QY 1681 CAGAGAAACCGCTTGGCATCTTTGGAAAGCGCTTCAACCTTGTGTTGGTGGC 1740  
 Db 1681 CAGAGAAACCGCTTGGCATCTTTGGAAAGCGCTTCAACCTTGTGTTGGTGGC 1740  
 QY 1741 CCCAACAGCTCAAGCTGGCTCCAGCAGTACCAACAGTCCAGAGGCTTCTGCAC 1800  
 Db 1741 CCCAACAGCTCAAGCTGGCTCCAGCAGTACCAACAGTCCAGAGGCTTCTGCAC 1800  
 QY 1801 CACATCATGATGATTCCTGCCAAATGCTTCAGAAAGGCTGAGATCTCCAGTCTGCA 1860  
 Db 1801 CACATCATGATGATTCCTGCCAAATGCTTCAGAAAGGCTGAGATCTCCAGTCTGCA 1860  
 QY 1861 GTGAAAGATGATGATTCCTGCTGTTGGAAACATGATTTGGAAGATTTCAAGCTGT 1920  
 Db 1861 GTGAAAGATGATGATTCCTGCTGTTGGAAACATGATTTGGAAGATTTCAAGCTGT 1920  
 QY 1921 CTGTGCGGCACTGCAAGCATGCGTTTGGCTGTGCGTGTGTCACACTCTGGCTGAAA 1980  
 Db 1921 CTGTGCGGCACTGCAAGCATGCGTTTGGCTGTGCGTGTGTCACACTCTGGCTGAAA 1980  
 QY 1981 GTGTCTATTCGCGGACACCATGCCCTGCGAGGCTCTGTGCGGATGGGAAAGTGC 2040  
 Db 1981 GTGTCTATTCGCGGACACCATGCCCTGCGAGGCTCTGTGCGGATGGGAAAGTGC 2040  
 QY 2041 ACCCTCTGTATACATGAAGCCACCTCGAAGATGGTTTGAAGAGGAGCAGTGGAAG 2100  
 Db 2041 ACCCTCTGTATACATGAAGCCACCTCGAAGATGGTTTGAAGAGGAGCAGTGGAAG 2100  
 QY 2101 ACACACAGCAACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCATT 2160  
 Db 2101 ACACACAGCAACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCATT 2160  
 QY 2161 ATGCTGAACACTTTCAGCAGCGCTATGCCAAGTCCCTCTTTCAGCCCACTTCAGC 2220  
 Db 2161 ATGCTGAACACTTTCAGCAGCGCTATGCCAAGTCCCTCTTTCAGCCCACTTCAGC 2220  
 QY 2221 CAGAAAGTGGGAGTGTGCTTTCAGCAGATGAAGTCTGCTTTTGGAGACTTTTCAACAATG 2280  
 Db 2221 CAGAAAGTGGGAGTGTGCTTTCAGCAGATGAAGTCTGCTTTTGGAGACTTTTCAACAATG 2280  
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 Db 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGCGACATCGAGAGATGGAGGAG 2340  
 QY 2341 CGCAGGAGAGAGCGGAGCTGCGGAGCTGCGGCGGCTCTCTGTCCAGGAGCTGGCA 2400  
 Db 2341 CGCAGGAGAGAGCGGAGCTGCGGAGCTGCGGCGGCTCTCTGTCCAGGAGCTGGCA 2400  
 QY 2401 GCGGCTGTGAGGATGGGAGCTTCAGCAGAGCGGCGCCACACAGAGAGGCCACAGGCC 2460





QY 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGCAAG 780  
DB 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGCAAG 780  
QY 781 GAGATGGGCTCCAGATTGGGAGAGCTGCCATCGCTCCCATCATCTGTCTGTCAAGGAC 840  
DB 781 GAGATGGGCTCCAGATTGGGAGAGCTGCCATCGCTCCCATCATCTGTCTGTCAAGGAC 840  
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DB 841 GGGAAAAGCATCACTCATGAAGGAAGAGAGATTTGGCTGAAGAGCTGTGTACTCTCCA 900  
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DB 1021 GTTCACATGGCCCCAGCATCTGTCTTGTGGACAGCAGGTACAGCAGTGGATGGAGAG 1080  
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DB 1621 GCTGTGTTTGTGCCACCTGACGAGATCACCACAGGCTTGCACAGTATCTTCTGCTG 1680  
QY 1681 CAGAGAGAACCGGCTTGGCATCTTTGGGAAGCGCTTACCCCTTGTGGTGGTGGC 1740  
DB 1681 CAGAGAGAACCGGCTTGGCATCTTTGGGAAGCGCTTACCCCTTGTGGTGGTGGC 1740  
QY 1741 CCCAACCCAGCTCAAAGCTTGGCTCCAGCAGTACCAACCCAGTGCAGAGAGGCTCCGCAC 1800  
DB 1741 CCCAACCCAGCTCAAAGCTTGGCTCCAGCAGTACCAACCCAGTGCAGAGAGGCTCCGCAC 1800

QY 1801 CACATCAGTATGATTCCTGCCAAATGCTTTCAGGAAGGGCTGAGATCTCCAGTCTCTGCA 1860  
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QY 1861 GTGGAAAAGATTGATCAGTTCGCTGTGGCAACATGTGATTTGGAAGAGTTTTCAGACCTGT 1920  
DB 1861 GTGGAAAAGATTGATCAGTTCGCTGTGGCAACATGTGATTTGGAAGAGTTTTCAGACCTGT 1920  
QY 1921 CTGGTGGCGCACTGCAAGCATGCGCTTTGGCTGTGGCTGTGGCTGCAACCTCTGGCTGGAAA 1980  
DB 1921 CTGGTGGCGCACTGCAAGCATGCGCTTTGGCTGTGGCTGTGGCTGCAACCTCTGGCTGGAAA 1980  
QY 1981 GTGGTCTTATTCGGGGGACACCATGCTCGAGGCTTGGTCCGGATGGGGAAGATGCC 2040  
DB 1981 GTGGTCTTATTCGGGGGACACCATGCTCGAGGCTTGGTCCGGATGGGGAAGATGCC 2040  
QY 2041 ACCCTCTGTATACATGAAGCCACCTCGAAGATGTTTGGGAAGAGGAGAGTGGAAAAG 2100  
DB 2041 ACCCTCTGTATACATGAAGCCACCTCGAAGACGTTTGGGAAGAGGAGAGTGGAAAAG 2100  
QY 2101 ACACACAGCACAACTCCCAAGCCATCAGCGTGGGGATGCGGATGAACGCGGAGTTCATT 2160  
DB 2101 ACACACAGCACAACTCCCAAGCCATCAGCGTGGGGATGCGGATGAACGCGGAGTTCATT 2160  
QY 2161 ATGCTGAACCACTTCAGCCAGGCTTATGCAAGTTCGCGCTTTCAGCGCCCACTTCAGC 2220  
DB 2161 ATGCTGAACCACTTCAGCCAGGCTTATGCAAGTTCGCGCTTTCAGCGCCCACTTCAGC 2220  
QY 2221 GAGAAAGTGGAGTTCGCTTTGACCAATGAAGTCTCTTTGGAGACTTTTCCAAACAATG 2280  
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QY 2281 CCCAAGCTGATTCCTCCCACTGAAAGCCTGTTTGTGCGAGATCGAGGAGATGGAGAG 2340  
DB 2281 CCCAAGCTGATTCCTCCCACTGAAAGCCTGTTTGTGCGAGATCGAGGAGATGGAGAG 2340  
QY 2341 CGCAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCGCTCTCTGTCAGGAGCTGGCA 2400  
DB 2341 CGCAGGAGAGAGCGGAGCTGCGGAGGTGCGGCGGCGCTCTCTGTCAGGAGCTGGCA 2400  
QY 2401 GCGCGCTTGGAGATGGGAGCTTCAAGAGCCTGTTTGTGCGAGATCGAGGAGATGGAGAG 2460  
DB 2401 GCGCGCTTGGAGATGGGAGCTTCAAGAGCCTGTTTGTGCGAGATCGAGGAGATGGAGAG 2460  
QY 2461 AAGAAAGTTCAGGCGCCACTGA 2481  
DB 2461 AAGAAAGTTCAGGCGCCACTGA 2481

## RESULT 4

US-09-564-805-225  
; Sequence 225, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 225  
; LENGTH: 2892  
; TYPE: DNA







QY 1258 GAATGCTCTCTCAAGTACCACTCCGTCCTCCAGGAGGAGTGGCAGAGGATGCCATTATT 1317  
 DB 1219 GAATGCTCTCTCAAGTATTCAGTCCGCCCCAAGAGAGAGTGGCAGAGGATGCCACTC 1278  
 QY 1318 ACTTGGCAATCTGAGGAATTCATAGTTGAGCGCTGCAGCTTCCCACTTCCAGCAGAGC 1377  
 DB 1279 GACTGCAATCTGATGAATTCATAGCTGAGGCTTGGAGTCCGCCAGTTTCCAGGAGAT 1338  
 QY 1378 GTGAGAGTACAGAGAGTGCAGAGCGCCAGCGCCAGCCAGCAGAGAGAAAGAGTCAG 1437  
 DB 1339 GTGAGAGTATCGAGAGAGCTGCAGAGAAACCCAGCCCCAGCAGAGAGAAAGAGCCAG 1398  
 QY 1438 TACCCAGAAATCATCTTCTTGGAAACAGGCTGCCATCCCGATGCCAGTTCGAATGTC 1497  
 DB 1399 TATCTGAAATGTCTTCTTGGTACGCGGTCTGCCATCCCAATGGAGATCCGAAATGTC 1458  
 QY 1498 AGTCCCACTGTTCACATAGCCCGACACAGCTCTGCTACTGGACTGTGGTAGGGC 1557  
 DB 1459 AGTTCCACACTCGTCAACTAAGCCCTGACAACTGCTCTCTGGATTTGTGAGAGGC 1518  
 QY 1558 ACATTTGGGCACTGTGCGCTCATACGAGACAGAGTGGACAGGGTCTCTGGGCAACCTG 1617  
 DB 1519 ACTTTGGGCACTGTGCGCTCATACGAGACAGCAATAGACCGAGTCTTATGCGAGCTC 1578  
 QY 1618 GCTGCTGTGTTGTGTCCTCACTGCAGCAGATCACCACAGGCTTGGCAAGTATCTTG 1677  
 DB 1579 ACGGCTGTGTTGTGTCCTCACTGCAGCAGCAGCAGCAGCAGGCTTGTGAATATCTTG 1638  
 QY 1678 CTGAGAGAGAAACCGGCTTGGCATCTTTGGGAAAGCGCTTCAACCTTTGCTGGTGT 1737  
 DB 1639 CTGAGAGAGAGCATGCTGTGGCATCTCTGGGAAACCTTCCAGCCCTGCTTGTGGTG 1698  
 QY 1738 GCGCCCAACCGACTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1797  
 DB 1699 GCTCTACCCAGCTCAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1758  
 QY 1798 CACCATCATGATGATTCCTGCAATGCTTCCAGGAGGCTGAGATCTCCAGTCTCT 1857  
 DB 1759 CACCATCATGATGATTCCTGCAATGCTTCCAGGAGGCTGAGATCTCCAGTCTCT 1818  
 QY 1858 GCAGTGGAAAGATGATCAGTTCGCTGTTGGAAACATGATGATGATGATGATGATGATG 1917  
 DB 1819 ACATTTGGAAAGCTGATTAAGCTTGTGTTGGAAACATGATGATGATGATGATGATGATG 1878  
 QY 1918 TGTCTGCTGCGCACTGCAAGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1977  
 DB 1879 TGCCTGGTACGCACTGCAAGCATGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1938  
 QY 1978 AAAGTGGTCTATTCCGGGGAACCATGCTCGAGGCTCTGCTCGGATGGGAAAGAT 2037  
 DB 1939 AAAGTGGTCTATTCCGGGGAACCATGCTCGAGGCTCTGCTCGGATGGGAAAGAT 1998  
 QY 2038 GCGACCTCTGATACATGATGAGCAACCTCGAAGATGTTTGGAGAGGAGAGAGTGGAA 2097  
 DB 1999 GCGACCTCTGATACATGATGAGCAACCTCTGAGGATGATGATGATGATGATGATGATG 2058  
 QY 2098 AAGACACACAGCACAACCTCCAAAGCCATCAGCGTGGGATGCGGATGAAACCGGAGTTC 2157  
 DB 2059 AAGACACACAGCACAACCTCCAAAGCCATTAATGTTGGGATGCGGATGATGCGGAGTTC 2118  
 QY 2158 ATTATGCTGAACCATCTCAGCCAGGCTATGCGAAGTCTCCCTCTCTCAGGCCCCAATTC 2217  
 DB 2119 ATCATGCTGAACCATCTCAGTACGCGGTACGCAAGATCCCTCTCTCAGGCCCCAATTC 2178  
 QY 2218 ACCGAGAAAGTGGAGTTGCTTTTACCAATGAGGTCTGCTTGGAGACTTTTCCAACA 2277  
 DB 2179 AACGAGAAAGTGGAGTTGCTTTTACCAATGAGGTCTGCTTGGAGACTTTTCCAACA 2238  
 QY 2278 ATGCCCAAGCTGATTTCCCCCACTGAAAGCCCTGTTTGTGCGCATCGAGAGATGGAG 2337  
 DB 2239 GTGCCCAAGCTGATTTCCCCCACTGAAAGCCCTGTTTGTGCGCATCGAGAGATGGAG 2298

QY 2338 GAGCCAGGAGAGAGCGGAGCTGGGCGAGCTGGGCGGCGCTCTCTCTCCAGGAGCTG 2397  
 DB 2299 GAACCGCGGAGAGAGGAGGCTACGGCTGTGTGGAGCAGCCCTCTCTGACC--CAGCAG 2355  
 QY 2398 CGAGCGCGCTTGGAGATGGGAGCTCAGCAGAGAGCGGCGCCACACAGAGAGGCCACA 2456  
 DB 2356 CGAGACAGCCAGAGGACAGAGAACCCCAACAGAGCGGCGCCACACAGATGAACCCA 2414  
 RESULT 6  
 US-09-833-381-2039  
 ; Sequence 2039, Application US/09833381  
 ; Patent No. 6672186  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Robison, Keith E.  
 ; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs  
 ; FILE REFERENCE: 5800-119  
 ; CURRENT APPLICATION NUMBER: US/09/833.381  
 ; CURRENT FILING DATE: 2001-04-11  
 ; PRIOR APPLICATION NUMBER: 09/516,448  
 ; PRIOR FILING DATE: 2000-02-29  
 ; NUMBER OF SEQ ID NOS: 2050  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 2039  
 ; LENGTH: 783  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (1)...(783)  
 ; OTHER INFORMATION: n = A,T,C or G  
 US-09-833-381-2039  
 Query Match 29.6%; Score 734.8; DB 4; Length 783;  
 Best Local Similarity 98.3%; Pred No. 1.3e-190;  
 Matches 772; Conservative 0; Mismatches 10; Indels 3; Gaps 3;  
 QY 91 CGGCGCGCAGGACCCGCTCGGCACTGCGCAGCAGAGAGCGCGGAGTACCGGAGCTCG 150  
 DB 1 CGGCGCGCAGGACCCGCTCGGCACTGCGCAGCAGAGAGCGCGGAGTACCGGAGCTCG 60  
 QY 151 TGTCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 210  
 DB 61 TGTCTCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 119  
 QY 211 GCGCGCGCGCTCTAGCTCTTCTCCAGTTCACCGGATCTCTTCAACTGTGGAAGGC 270  
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 QY 271 GTTCAGAGACTATGCGAGAGCACAAGTTAAGGTTGCTCGGCTGGACACATATTCCTG 330  
 DB 180 GTTCAGAGACTATGCGAGAGCACAAGTTAAGGTTGCTCGGCTGGACACATATTCCTG 239  
 QY 331 ACACGAATCACTGGTCTTAATCTGGGCGCTTAAGTGAATGATTTCTTACTTTAAAGGAA 390  
 DB 240 ACACGAATCACTGGTCTTAATCTGGGCGCTTAAGTGAATGATTTCTTACTTTAAAGGAA 299  
 QY 391 ACCGGCTTCCAAAGTGTGTAATTTCTGGAACCTCCACAACTGGAAATACTCTCAAGCA 450  
 DB 300 ACCGGCTTCCAAAGTGTGTAATTTCTGGAACCTCCACAACTGGAAATACTCTCAAGCA 359  
 QY 451 ATCAAAATATTTCTGGTCCATTGAAAGGAAATAGAACTGGCTGTGCGGCGGCGGCGGCGG 510  
 DB 360 ATCAAAATATTTCTGGTCCATTGAAAGGAAATAGAACTGGCTGTGCGGCGGCGGCGGCGG 419  
 QY 511 CCAGAAATACAGGATGAACCAATGAGTTTACAGATCCCATACAGTGAACAGAGG 570  
 DB 420 CCAGAAATACAGGATGAACCAATGAGTTTACAGATCCCATACAGTGAACAGAGG 479  
 QY 571 AGGGGAAGCACCACCATGGCAGAGTCCAGAAAGGCTCTCAGCAGGCTCAGTCCAGAG 630  
 DB 480 AGGGGAAGCACCACCATGGCAGAGTCCAGAAAGGCTCTCAGCAGGCTCAGTCCAGAG 539



631. CGATCTTCAGACTCCGAG-TGCAATGAAATGAGCCACACCTTCCACATGTTGTTAGCCA 689  
Db 540 CGATCTTCAGACTCCGAGTTCGAATGAAATGAGCCACACCTTCCACATGTTGTTAGCCA 599  
Qy 690 GAGAGAGGGGTGAGGACTCTTCCCTGGTCTAGCTTTCATCTGTAAGCTTCACCTAAA 749  
Db 600 GAGAAGAGGGGTGAGGACTCTTCCCTGGTCTAGCTTTCATCTGTAAGCTTCACCTAAA 659  
Qy 750 GAGAGGAAACTTCTTGTGTCTCAAGCAAGAGAGATGGGCTCCAGTTGGGACAGCTGC 809  
Db 660 GAGAGGAAACTTCTTGTGTCTCAAGCAAGAGAGATGGGCTCCAGTTGGGAACTGC 718  
Qy 810 CATCGCTCCATCATCTTCTCTGTCAAGGACGGGAAAGCATCACTCATGAAGAGAGA 869  
Db 719 CATCNCTCCCATCATCTTCTCTGTCAAGGACGNGAAACACCCACCCATTAAGGAAAGA 778  
Qy 870 GATTT 874  
Db 779 GATTT 783  
RESULT 7  
US-09-833-381-2038  
; Sequence 2038, Application US/09833381  
; Patent No. 6672186  
; GENERAL INFORMATION:  
; APPLICANT: Robison, Keith E.  
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs  
; FILE REFERENCE: 5800-119  
; CURRENT APPLICATION NUMBER: US/09/833,381  
; PRIOR FILING DATE: 2001-04-11  
; PRIOR FILING DATE: 2000-02-29  
; NUMBER OF SEQ ID NOS: 2050  
; SOFTWARE: Fast-SEQ for Windows Version 3.0  
; SEQ ID NO 2038  
; LENGTH: 536  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-833-381-2038  
Query Match 19.0%; Score 470.4; DB 4; Length 536;  
Best Local Similarity 99.8%; Pred. No. 1.5e-118;  
Matches 471; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 91 CGGCGCGGCAAGGACCGCTGCGGACCTCGGACGCGGAGAGAGCGCGGACCGTCGGG 150  
Db 1 CGGCGCGGCAAGGACCGCTGCGGACCTCGGACGCGGAGAGAGCGCGGACCGTCGGG 60  
Qy 151 TGCTCCGCGGCGCCCAACACCGTGTACTGTGAGGTGGTGGCAGCGGTAGCCGGACTCG 210  
Db 61 TGCTCCGCGGCGCCCAACACCGTGTACTGTGAGGTGGTGGCAGCGGTAGCCGGACTCG 120  
Qy 211 GGCGCGCGGTCTACGCTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 270  
Db 121 GGCGCGCGGTCTACGCTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 180  
Qy 271 GTTCAGAGACTCATGCAAGGACCAAGTTAAAGTTGCTCGCTGGCAACATATTCCTG 330  
Db 181 GTTCAGAGACTCATGCAAGGACCAAGTTAAAGTTGCTCGCTGGCAACATATTCCTG 240  
Qy 331 ACACGAATGCACTGGTCTAATGTTGGGGCTTAAGTGAATGATTTACTTTAAAGGAA 390  
Db 241 ACACGAATGCACTGGTCTAATGTTGGGGCTTAAGTGAATGATTTACTTTAAAGGAA 300  
Qy 391 ACCGGGCTTCAAAGTGTACTTCTTGGACCTCCCAACTGGAAATACCTCGAGCA 450  
Db 301 ACCGGGCTTCAAAGTGTACTTCTTGGACCTCCCAACTGGAAATACCTCGAGCA 360  
Qy 451 ATCAAAATATTTCTGTGCTCAATGAAAGGAATAGAACTGTGCGGCCCACTCTGCC 510  
Db 361 ATCAAAATATTTCTGTGCTCAATGAAAGGAATAGAACTGTGCGGCCCACTCTGCC 420

511 CCAGAAATACGAGGATGAACCAATGACAGTTTACAGATCCCATACACAGTG 562  
Db 421 CCAGAAATACGAGGATGAACCAATGACAGTTTACAGATCCCATACACAGTG 472  
RESULT 8  
US-09-564-805-210  
; Sequence 210, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; TITLE OF INVENTION: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR FILING DATE: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR FILING DATE: 09/434,382  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 210  
; LENGTH: 350  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (51)..(293)  
US-09-564-805-210  
Query Match 10.0%; Score 247.4; DB 4; Length 350;  
Best Local Similarity 97.7%; Pred. No. 8.3e-58;  
Matches 251; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
Qy 1 ATGTGGGCGCTTTGCTCGCTGCTGCGGTCCGCGCGGACGACCATGTCGAGGAGCG 60  
Db 51 ATGTGGGCGCTTTGCTCGCTGCTGCGGTCCGCGCGGACGACCATGTCGAGGAGCG 110  
Qy 61 ACCATATCGAGGACCGCGCGCGGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 120  
Db 111 ACCATATCGAGGACCGCGCGCGGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 170  
Qy 121 CGCAGCGAGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 180  
Db 171 CGCAGCGAGAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 230  
Qy 181 CAGGTGGTGGCAGCGGCTAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 240  
Db 231 CAGGTGGTGGCAGCGGCTAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 290  
Qy 241 AACCGGTATCTCTTCAA 257  
Db 291 AACCGGTCTAGTCAAGCA 307  
RESULT 9  
US-09-564-805-28  
; Sequence 28, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; TITLE OF INVENTION: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258

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; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 26664
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (910)..(13104)
; OTHER INFORMATION: exon 1: 910-1154; exon 2: 1736-1786; exon 3:
; OTHER INFORMATION: 1925-1995; exon 4: 3025-3089; exon 5: 4361-4418;
; OTHER INFORMATION: exon 6: 5582-5650; exon 7: 7075-7194; exon 8:
; OTHER INFORMATION: 8186-8244; exon 9: 12878-12936; exon 10:
; NAME/KEY: misc feature
; LOCATION: (13756)..(22917)
; OTHER INFORMATION: exon 11: 13756-13868; exon 12: 15283-15378; exon
; OTHER INFORMATION: 13: 16278-16416; exon 14: 16498-16583; exon 15:
; OTHER INFORMATION: 18583-18701; exon 16: 20349-20445; exon 17:
; OTHER INFORMATION: 22172-22310; exon 18: 22879-22917
; NAME/KEY: misc feature
; LOCATION: (23045)..(26452)
; OTHER INFORMATION: exon 19: 23045-23154; exon 20: 23795-23895; exon
; OTHER INFORMATION: 21: 23973-24093; exon 22: 24354-24432; exon 23:
; OTHER INFORMATION: 25026-25170; exon 24: 25812-26036; polyadenylation
; OTHER INFORMATION: signal: 26447-26452
; NAME/KEY: variation
; LOCATION: (826)..(23879)
; OTHER INFORMATION: s at positions 826 and 23180 is G or C; y at
; OTHER INFORMATION: positions 1914, 5568, 7165, 16431, 1857 and 20486
; OTHER INFORMATION: is C or T; n at position 13128 is t or tgat; r at
; OTHER INFORMATION: positions 22211 and 23879 is A or G.
US-09-564-805-28

Query Match          10.0%; Score 247.4; DB 4; Length 26664;
Best Local Similarity 97.7%; Pred.No. 9e-57;
Matches 251; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATGTGGCGCTTTTCTCGTCTCGTCTCGGTCGCGCGCGCGGACGACCCGCTGCGGACCGC 60
Db 910 ATGTGGCGCTTTTCTCGTCTCGTCTCGGTCGCGCGCGCGGACGACCCGCTGCGGACCGC 969

Qy 61 ACCATATCGCAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 120
Db 970 ACCATATCGCAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 1029

Qy 121 CGACGCGGAGAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 180
Db 1030 CGACGCGGAGAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 1089

Qy 181 CAGGTGGTGCAGCGGTAGCCGGGACTCGGGGCGCGCGCGCGGACGACCCGCTGCGGACCGC 240
Db 1090 CAGGTGGTGCAGCGGTAGCCGGGACTCGGGGCGCGCGCGCGGACGACCCGCTGCGGACCGC 1149

Qy 241 AACCGGTATCTTCAA 257
Db 1150 AACCGGTATCTTCAA 1166

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## RESULT 10

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US-09-564-805-4
; Sequence 4, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.

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; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 295
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (51)..(295)
; OTHER INFORMATION: exon 1
US-09-564-805-4

Query Match          9.9%; Score 245; DB 4; Length 295;
Best Local Similarity 100.0%; Pred.No. 3.4e-57;
Matches 245; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTGGCGCTTTTCTCGTCTCGTCTCGGTCGCGCGCGCGGACGACCCGCTGCGGACCGC 60
Db 51 ATGTGGCGCTTTTCTCGTCTCGTCTCGGTCGCGCGCGCGGACGACCCGCTGCGGACCGC 110

Qy 61 ACCATATCGCAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 120
Db 111 ACCATATCGCAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 170

Qy 121 CGCAGCGGAGAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 180
Db 171 CGCAGCGGAGAGGACCGCGCGCGCGGAGCGCGCGCGCGGACGACCCGCTGCGGACCGC 230

Qy 181 CAGGTGGTGCAGCGGTAGCCGGGACTCGGGGCGCGCGCGGACGACCCGCTTCTCCGAGTTC 240
Db 231 CAGGTGGTGCAGCGGTAGCCGGGACTCGGGGCGCGCGCGGACGACCCGCTTCTCCGAGTTC 290

Qy 241 AACCG 245
Db 291 AACCG 295

RESULT 11
US-09-328-111-315
; Sequence 315, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 315
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-315

Query Match
  9.6%; Score 237; DB 3; Length 238;
Best Local Similarity 100.0%; Pred. No. 4.6e-55; Indels 0; Gaps 0;
Matches 237; Conservative 0; Mismatches 0;

QY 176 ACCTGCAAGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGGCTCTACGTTCTTCGG 235
DB 1 ACCTGCAAGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGGCTCTACGTTCTTCGG 60

QY 236 AGTTCACCCGGTATCTTTCACTGTGGAGAAGCGTTCAGAGACTCATGTCAGAGCACA 295
DB 61 AGTTCACCCGGTATCTTTCACTGTGGAGAAGCGTTCAGAGACTCATGTCAGAGCACA 120

QY 296 AGTTAAAGTTGCTCGGCTCGCAACAATATTCCTGACCAAGATGCACTGTCTAAATGTTG 355
DB 121 AGTTAAAGTTGCTCGGCTCGCAACAATATTCCTGACCAAGATGCACTGTCTAAATGTTG 180

QY 356 GGGGCTTAAGTGAATGATCTTACTTTAAAGGAACCGGGCTTCAAAGTGTGTAC 412
DB 181 GGGGCTTAAGTGAATGATCTTACTTTAAAGGAACCGGGCTTCAAAGTGTGTAC 237

RESULT 12
US-09-564-805-27
; Sequence 27, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)..(228)
; OTHER INFORMATION: exon 24
; NAME/KEY: polyA_signal
; LOCATION: (636)..(641)
US-09-564-805-27

Query Match
  9.2%; Score 228; DB 4; Length 655;
Best Local Similarity 100.0%; Pred. No. 2.3e-52; Indels 0; Gaps 0;
Matches 228; Conservative 0; Mismatches 0;

QY 2254 GTCTGCTTTGGAGACTTTCCAAATGCCAAGCTGATCCCCACTGAAAGCCCTGTTT 2313
DB 1 GTCTGCTTTGGAGACTTTCCAAATGCCAAGCTGATCCCCACTGAAAGCCCTGTTT 60

QY 2314 GCTGGCACATCGAGGAGATGAGAGCGGAGGAGCGGGAGCTGCGGAGGTGCGG 2373
DB 61 GCTGGCACATCGAGGAGATGAGAGCGGAGGAGCGGGAGCTGCGGAGGTGCGG 120

QY 2374 GCGGCCCTCTCTGTCAGGAGCTGGCAGCGGCGCTTGAGGATGGGAGCCTCAGCAGAAG 2433
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DB 121 GCGGCCCTCTCTGTCAGGAGCTGGCAGCGGCGCTTGAGGATGGGAGCCTCAGCAGAAG 180
QY 2434 CCGGCCCCACACAGAGAGCCCAAGCCCAAGAGGTTCAGAGCCCAAGTGA 2481
DB 181 CCGGCCCCACACAGAGAGCCCAAGCCCAAGAGGTTCAGAGCCCAAGTGA 228

RESULT 13
US-09-564-805-26
; Sequence 26, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)..(145)
; OTHER INFORMATION: exon 23
US-09-564-805-26

Query Match
  5.8%; Score 145; DB 4; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.5e-30; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0;

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QY 2169 CCACCTTCAGCCAGCGCTATGCCAAGGTCCCTCTTCAGCCCCCACTTCAGCGAAGT 2228
DB 61 CCACCTTCAGCCAGCGCTATGCCAAGGTCCCTCTTCAGCCCCCACTTCAGCGAAGT 120

QY 2229 GGGAGTTGCTTTGACCACATGAAG 2253
DB 121 GGGAGTTGCTTTGACCACATGAAG 145

RESULT 14
US-09-564-805-16
; Sequence 16, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1998-11-06
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; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 16  
; LENGTH: 139  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)-(139)  
; OTHER INFORMATION: exon 13  
US-09-564-805-16

Query Match 5.6%; Score 139; DB 4; Length 139;  
Best Local Similarity 100.0%; Pred. No. 1.9e-28;  
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1080 GTTTGGGCGCTGACACCCAGCACTTGTCTCTGAATGAGAACTGTGCTCAGTTCCAAACCT 1139  
Db 1 GTTTGGGCGCTGACACCCAGCACTTGTCTCTGAATGAGAACTGTGCTCAGTTCCAAACCT 60  
  
Qy 1140 TCGCAGGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGCATCTTCCCCCTGCT 1199  
Db 61 TCGCAGGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGCATCTTCCCCCTGCT 120  
  
Qy 1200 CACAGTTTCGGCTGTAAG 1218  
Db 121 CACAGTTTCGGCTGTAAG 139

RESULT 15  
US-09-564-805-20  
; Sequence 20, Application US/09564805  
; Patent No. 6333403  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/564,805  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 20  
; LENGTH: 139  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)-(139)  
; OTHER INFORMATION: exon 17  
US-09-564-805-20

Query Match 5.6%; Score 139; DB 4; Length 139;  
Best Local Similarity 100.0%; Pred. No. 1.9e-28;  
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1521 CCCCGACAGCTCTCTGCTACTGAGTGGTGAGGGGACATTTGGGACGCTGTGGCGTCA 1580  
Db 1 CCCCGACAGCTCTCTGCTACTGAGTGGTGAGGGGACATTTGGGACGCTGTGGCGTCA 60  
  
Qy 1581 TTACGGAGACCAAGGTGGACAGGGTCTCTGGGCAACCTTGGCTGTGTGTGTGTGTCCACCT 1640  
Db 61 TTACGGAGACCAAGGTGGACAGGGTCTCTGGGCAACCTTGGCTGTGTGTGTGTGTCCACCT 120

Qy 1641 GCACGCAGATCACCACAG 1659  
Db 121 GCACGCAGATCACCACAG 139

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Job time : 178 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 10, 2004, 21:01:56 ; Search time 1083 Seconds

Title: US-09-434-382-1  
Perfect score: 2481  
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Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues 6445838

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Published Applications NA:
- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*
  - 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*
  - 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*
  - 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
  - 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
  - 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
  - 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*
  - 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
  - 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
  - 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
  - 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
  - 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
  - 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
  - 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
  - 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
  - 16: /cgn2\_6/ptodata/2/pubpna/US10C\_NEW\_PUB.seq.\*
  - 17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
  - 18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
  - 19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	2481	100.0	2481	10	US-09-988-687-1
3	2481	100.0	2481	10	US-09-988-686-1
4	2481	100.0	2958	10	US-09-988-626-3
5	2481	100.0	2958	10	US-09-988-687-3
6	2481	100.0	2958	10	US-09-988-686-3
7	2455.4	99.0	2908	10	US-09-988-626-223
8	2455.4	99.0	2908	10	US-09-988-687-223
9	2455.4	99.0	2908	10	US-09-988-686-223
10	2442.6	98.5	2892	10	US-09-988-626-225
11	2442.6	98.5	2892	10	US-09-988-687-225
12	2442.6	98.5	2892	10	US-09-988-686-225
13	2349	94.7	2907	16	US-10-108-260A-282
14	1645.6	66.3	2470	10	US-09-988-626-221

15	1645.6	66.3	2470	10	US-09-988-687-221	Sequence 221, Appl
16	1645.6	66.3	2470	10	US-09-988-686-221	Sequence 221, Appl
17	734.8	29.6	783	9	US-09-833-381-2039	Sequence 2039, Ap
18	470.4	19.0	536	9	US-09-833-381-2038	Sequence 2038, Ap
19	432.8	17.4	554	10	US-09-318-925-8996	Sequence 8996, Ap
20	247.4	10.0	350	10	US-09-988-626-210	Sequence 210, App
21	247.4	10.0	350	10	US-09-988-687-210	Sequence 210, App
22	247.4	10.0	350	10	US-09-988-686-210	Sequence 210, App
23	247.4	10.0	26664	10	US-09-988-626-28	Sequence 28, Appl
24	247.4	10.0	26664	10	US-09-988-687-28	Sequence 28, Appl
25	247.4	10.0	26664	10	US-09-988-686-28	Sequence 28, Appl
26	245	9.9	295	10	US-09-988-626-4	Sequence 4, Appli
27	245	9.9	295	10	US-09-988-687-4	Sequence 4, Appli
28	237	9.6	238	9	US-09-879-536-315	Sequence 315, Appl
29	237	9.6	238	9	US-09-988-626-27	Sequence 27, Appl
30	228	9.2	655	10	US-09-988-687-27	Sequence 27, Appl
31	228	9.2	655	10	US-09-988-686-27	Sequence 26, Appl
32	228	9.2	655	10	US-09-988-626-26	Sequence 26, Appl
33	145	5.8	145	10	US-09-988-687-26	Sequence 26, Appl
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35	145	5.8	145	10	US-09-988-626-16	Sequence 16, Appl
36	139	5.6	139	10	US-09-988-626-20	Sequence 20, Appl
37	139	5.6	139	10	US-09-988-687-20	Sequence 20, Appl
38	139	5.6	139	10	US-09-988-686-20	Sequence 20, Appl
39	139	5.6	139	10	US-09-988-687-20	Sequence 20, Appl
40	139	5.6	139	10	US-09-988-686-20	Sequence 20, Appl
41	139	5.6	139	10	US-09-988-687-24	Sequence 24, Appl
42	121	4.9	121	10	US-09-988-687-24	Sequence 24, Appl
43	121	4.9	121	10	US-09-988-686-24	Sequence 24, Appl
44	121	4.9	121	10	US-09-988-686-24	Sequence 24, Appl
45	120	4.8	120	10	US-09-988-626-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-988-626-1  
; Sequence 1, Application US/09988626  
; Publication No. US20030044959A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtighian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,626  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 2481  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-988-626-1

Query Match 100.0%; Score 2481; DB 10; Length 2481;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db	1	ATGTGGGCGCTTTGCTTCGTCTGCGTTCGGGGCGGACGCACCATGTCGCGAGGACGC	60
QY	61	ACCATATCGACGACACCCGCGCGCGAGCGCGCGCAAGGACCCGCTGCGGCACCTG	120
Db	61	ACCATATCGACGACACCCGCGCGCGAGCGCGCGCAAGGACCCGCTGCGGCACCTG	120
QY	121	CGCAGCGAGAGAGCGCGGACCGTTCGGGTCGTCGGCGGCCAAACACCGCTGTACCTG	180
Db	121	CGCAGCGAGAGAGCGCGGACCGTTCGGGTCGTCGGCGGCCAAACACCGCTGTACCTG	180
QY	181	CAGGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGGCTCTACGTCCTTCGCGAGTTC	240
Db	181	CAGGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGGCTCTACGTCCTTCGCGAGTTC	240
QY	241	AACCGGTATCTCTTCAACTGTGGAGAGCGGTTTCAGAGCTCATCGAGGACACAAGTTA	300
Db	241	AACCGGTATCTCTTCAACTGTGGAGAGCGGTTTCAGAGCTCATCGAGGACACAAGTTA	300
QY	301	AAGGTTGCTCGCTCGGACCAACATATCTCTGCACCAATGCATGGTCTAACTTGGGGGC	360
Db	301	AAGGTTGCTCGCTCGGACCAACATATCTCTGCACCAATGCATGGTCTAACTTGGGGGC	360
QY	361	TTAAGTGAATGANTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTCTGGA	420
Db	361	TTAAGTGAATGANTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTCTGGA	420
QY	421	CCTCCACAACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTCGAAGGA	480
Db	421	CCTCCACAACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTCGAAGGA	480
QY	481	ATAGAATCTGGTGTGGCGGCCCACTCTGCCCGAGAAACGAGGATGAAACCATCACAGTT	540
Db	481	ATAGAATCTGGTGTGGCGGCCCACTCTGCCCGAGAAACGAGGATGAAACCATCACAGTT	540
QY	541	TACCAGATCCCATACACAGTGAACAGAGGAGGGAAAGCAACCAATGGCAGAGTCCA	600
Db	541	TACCAGATCCCATACACAGTGAACAGAGGAGGGAAAGCAACCAATGGCAGAGTCCA	600
QY	601	GAAGGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT	660
Db	601	GAAGGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT	660
QY	661	GAGCCACACTTCCACATGGTGTAGCCAGAGAGAGGGGTACGGGACTCTTCCTCGGTC	720
Db	661	GAGCCACACTTCCACATGGTGTAGCCAGAGAGAGGGGTACGGGACTCTTCCTCGGTC	720
QY	721	GTAGCTTTCATCTGTAAGTTCACCTTAAGAGAGGAACTTCTGGTGCCTCAAGGAAAG	780
Db	721	GTAGCTTTCATCTGTAAGTTCACCTTAAGAGAGGAACTTCTGGTGCCTCAAGGAAAG	780
QY	781	GAGATGGGCTCCAGTTGGGACAGCTGCCATCGCTCCCATCATGCTGTGTCAAGGAC	840
Db	781	GAGATGGGCTCCAGTTGGGACAGCTGCCATCGCTCCCATCATGCTGTGTCAAGGAC	840
QY	841	GGGAAAGCATCATCATGAGGAGAGAGATTTGGCTGAAGAGCTGTGTACTCTCTCCA	900
Db	841	GGGAAAGCATCATCATGAGGAGAGAGATTTGGCTGAAGAGCTGTGTACTCTCTCCA	900
QY	901	GATCCTGGTGTGCTTTTGTGGTGAATGTCCAGATGAAAGCTTCATTCACCCATC	960
Db	901	GATCCTGGTGTGCTTTTGTGGTGAATGTCCAGATGAAAGCTTCATTCACCCATC	960
QY	961	TGTGAGATGCCACCTTTCAGAGTACCAAGGAAAGGCAGATGCCCGGTGGCTTGGT	1020
Db	961	TGTGAGATGCCACCTTTCAGAGTACCAAGGAAAGGCAGATGCCCGGTGGCTTGGT	1020
QY	1021	GTTTCATGCCCGCCAGCATCTGTGCTTGTGGAAGAGAGTACCAGAGTGGATGGAGAGG	1080
Db	1021	GTTTCATGCCCGCCAGCATCTGTGCTTGTGGAAGAGAGTACCAGAGTGGATGGAGAGG	1080
QY	1081	TTTGGGCTGACACCCAGCATCTTGGTCTGGAATGAGAACTGTGCCCTCAGTTCAACCTT	1140

Db	1081	TTTGGGCGCTGACACCCAGCACTTGGTCTCTGTAATGAGAACTGTGCGCTCAGTTTCAACAACCTT	1141
QY	1141	CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCGCTGCTC	1201
Db	1141	CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCGCTGCTC	1201
QY	1201	ACCAGTTTCGCTGTGAAGAAGAGGGGCCCAACCTCAGTGTGCCCATGTTCCAGGCGTAA	1261
Db	1201	ACCAGTTTCGCTGTGAAGAAGAGGGGCCCAACCTCAGTGTGCCCATGTTCCAGGCGTAA	1261
QY	1261	TGCCTCTCTCAAGTACCGCTCCGTCGCCAGGAGGAGTGGCAGAGGATGGCCAGAGGATGCCATATTACT	1321
Db	1261	TGCCTCTCTCAAGTACCGCTCCGTCGCCAGGAGGAGTGGCAGAGGATGGCCATATTACT	1321
QY	1321	TGCAATCTCTGAGGAATTCATAGTTTGAGGCGCTGCAGCTTCCCAACTTCCAGCAGACGGTG	1381
Db	1321	TGCAATCTCTGAGGAATTCATAGTTTGAGGCGCTGCAGCTTCCCAACTTCCAGCAGACGGTG	1381
QY	1381	CAGGAGTACAGGAGGAGTGGCAGGACGGGCCACCCAGCAGAGAGAGAAAGTCTAGTAC	1441
Db	1381	CAGGAGTACAGGAGGAGTGGCAGGACGGGCCACCCAGCAGAGAGAGAAAGTCTAGTAC	1441
QY	1441	CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCCGAATGTCACT	1501
Db	1441	CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCCGATGAAGATTCCGAATGTCACT	1501
QY	1501	GCACACTTGTCAATAAGCCCGACACGTCTCTGCTACTTGGACTTGGTGAAGGCACA	1561
Db	1501	GCACACTTGTCAATAAGCCCGACACGTCTCTGCTACTTGGACTTGGTGAAGGCACA	1561
QY	1561	TTTGGGAGCTGTCCGCTCATACGAGAGACGAGTGGACAGGCTCTCTGGGACCCCTGGCT	1621
Db	1561	TTTGGGAGCTGTCCGCTCATACGAGAGACGAGTGGACAGGCTCTCTGGGACCCCTGGCT	1621
QY	1621	GCTGTGTTTGTGTCCTCCACTGCAAGCAGATCACACACCGGGCTTGCCAAAGTATCTTGGTG	1681
Db	1621	GCTGTGTTTGTGTCCTCCACTGCAAGCAGATCACACACCGGGCTTGCCAAAGTATCTTGGTG	1681
QY	1681	CAGAGAAACGCGCTTGGCATCTTTGGGAAACCGCTTCACCCCTTGTCTGTGTGCTGCC	1741
Db	1681	CAGAGAAACGCGCTTGGCATCTTTGGGAAACCGCTTCACCCCTTGTCTGTGTGCTGCC	1741
QY	1741	CCCAACAGCTCAAAGCTGGCTCCAGCAGTACCACAACAGTGCACAGAGTCTCTGCAC	1801
Db	1741	CCCAACAGCTCAAAGCTGGCTCCAGCAGTACCACAACAGTGCACAGAGTCTCTGCAC	1801
QY	1801	CACATCAGTATGATTCTTGCCAAATGCCCTCAGGAAGGGCTGAGATCTCAGTCCCTGCA	1861
Db	1801	CACATCAGTATGATTCTTGCCAAATGCCCTCAGGAAGGGCTGAGATCTCAGTCCCTGCA	1861
QY	1861	GTGGAAGAATTGATCAGTTTCGCTGTTGCGAAACATGTGATTTCGAAGAGTTTCAGACCTGT	1921
Db	1861	GTGGAAGAATTGATCAGTTTCGCTGTTGCGAAACATGTGATTTCGAAGAGTTTCAGACCTGT	1921
QY	1921	CTGGTGGGACATGCAAGCATGGTTTGGCTGTGGCTGTGGTGCACACCTCTGGCTGGAAA	1981
Db	1921	CTGGTGGGACATGCAAGCATGGTTTGGCTGTGGCTGTGGTGCACACCTCTGGCTGGAAA	1981
QY	1981	GTGGTCTATTTCGGGGACACCATGCCCTGCGAGGCTCTGTCCGATGGGGAAGATGCC	2041
Db	1981	GTGGTCTATTTCGGGGACACCATGCCCTGCGAGGCTCTGTCCGATGGGGAAGATGCC	2041
QY	2041	ACCCCTCTGATACATGAAGCCACCTTGAAGATGTTTGGAGAGGAAGCAGTGGAAAAG	2101
Db	2041	ACCCCTCTGATACATGAAGCCACCTTGAAGATGTTTGGAGAGGAAGCAGTGGAAAAG	2101
QY	2101	ACACACAGCACACGTCCTCAAGCCATCAGCGTGGGATGCGGATCAACCGCGTTCATT	2161
Db	2101	ACACACAGCACACGTCCTCAAGCCATCAGCGTGGGATGCGGATCAACCGCGTTCATT	2161
QY	2161	ATGCTCAACCACTTCAGCCAGCGCTATGCCAAGTCCCGCTCTTCAGCGCCCACTTCAGC	2221
Db	2161	ATGCTCAACCACTTCAGCCAGCGCTATGCCAAGTCCCGCTCTTCAGCGCCCACTTCAGC	2221







Db 421 CTTCCACAACTGGAATAATACCTCGAAGCAATCAAAATATTCTTGGTCCATTTGAAAGGA 480  
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Qy 541 TACAGATCCCATACACAGTGAAACAGAGGAGGGGAAAGCAACCAATGGCAGAGTCCA 600  
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Qy 601 GAAAGCCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT 660  
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Qy 721 GTAGCTTTTCATCTGTAAAGCTTCACTTAAAGAGAGGAACTCTTGGTCTCAAGCAAG 780  
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Db 1201 ACCAGTTTCCGCTGTAAGAGAGGGGCCCCACCTTCAGTGTGCCATGGTTCAAGGTGAA 1260  
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Qy 1321 TGCATCTCAGGAATTCATAGTTTCCAGCGCTGACAGTTTCCCACTTCCAGCAGAGG 1380  
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Qy 1381 CAGGAGTACAGGAGGTGCGCAGACCGGCCAGCCAGCAGAGAAAGAGTCAAGTAC 1440  
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Qy 1441 CCAGAAATCATCTTCTTGGACAGGCTTGCATCCCGATCGAATTCGAATTCAGT 1500  
Db 1441 CCAGAAATCATCTTCTTGGACAGGCTTGCATCCCGATCGAATTCGAATTCAGT 1500  
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## RESULT 4

US-09-988-626-3

; Sequence 3, Application US/09988626

; Publication No. US2003004495A1

; GENERAL INFORMATION:

; APPLICANT: Tavtligian, Sean V.

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Qy 2401 GCGGCTGAGGATGGGAGCTCAGCAGAGCGGCGCCACACAGAGAGCCACAGGCC 2460  
Db 2401 GCGGCTGAGGATGGGAGCTCAGCAGAGCGGCGCCACACAGAGAGCCACAGGCC 2460  
Qy 2461 AAGAAGTTCAGAGCCAGTGA 2481  
Db 2461 AAGAAGTTCAGAGCCAGTGA 2481



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QY 1741 CCCACACAGCTCAGAGCTGGCTCCAGCAGTACCAACACCTGCGAGAGTCTCTGCAC 1800
Db 1791 CCCACACAGCTCAGAGCTGGCTCCAGCAGTACCAACACCTGCGAGAGTCTCTGCAC 1850
QY 1801 CACATCAGTATGATTCTCTCCAAATGCTTACAGGAGGGCTGAGATCTCCAGTCTCTGCA 1860
Db 1851 CACATCAGTATGATTCTCTCCAAATGCTTACAGGAGGGCTGAGATCTCCAGTCTCTGCA 1910
QY 1861 GTGGAAAGATTGATCAGTTCGCTGTGGAAATGATGATTTGGAAAGAGTTTTCAGACCTGT 1920
Db 1911 GTGGAAAGATTGATCAGTTCGCTGTGGAAATGATGATTTGGAAAGAGTTTTCAGACCTGT 1970
QY 1921 GTGGTCCGCACTGCAAGCATGCTTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGAA 1980
Db 1971 GTGGTCCGCACTGCAAGCATGCTTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGAA 2030
QY 1981 GTGGTCTATTCCGGGACACCAATGCTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGG 2040
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QY 2101 ACACACAGCACAACTGCCATCAGCGTGGGATGCGGATGAAACGCGAGTTCAAT 2160
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QY 2281 CCCAAGCTGATCCCTCCACTGAAGCCTGTTTGTGCGGACATCGAGAGATGAGGAG 2340
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QY 2341 CGCAGGGAAGCGGAGCTCGGAGTGGGCGGCTCTCTGTCAGGAGCTGGCA 2400
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Db 2451 GCGGCGCTGAGGATGGGAGCTCTCAGCAGAGCGGCGCCACACAGAGAGCCACAGGCC 2510
QY 2461 AAGAAGTTCAGAGCCCACTGA 2481
Db 2511 AAGAAGTTCAGAGCCCACTGA 2531

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RESULT 5  
US-09-888-687-3  
; Sequence 3, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigan, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06

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; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (51)..(2531)
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1
US-09-988-687-3

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Query Match 100.0%; Score 2481; DB 10; Length 2958;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 ACCATATCGCAGGACCGCGCGCGGAGGCGCGGAGGACCGCTGCGGCACTG 120
Db 111 ACCATATCGCAGGACCGCGCGCGGAGGCGCGGAGGACCGCTGCGGCACTG 170
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QY 181 CAGTGTGTGAGCGGCTAGCGGACTCGGGGCTCGGGGCGCGGCTCTACGTCCTCGGAGTTC 240
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Db 291 AACCGGTATCTCTCAACTGTGAGAGAGCGGTTTCAGAGACTCATGAGAGGACCAAGTTA 350
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Db 351 AAGTGTGCTCGCTGGACAAATATTCCTGACAGAAATCACTGGTCTAATGTTGGGGC 410
QY 361 TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTCTCGGA 420
Db 411 TTAAGTGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTCTCGGA 470
QY 421 CCTCCACAACTGGAAAAATACCTCGAAAGCAATCAAAATATTTTCTGTCTCCATTGAAAGGA 480
Db 471 CCTCCACAACTGGAAAAATACCTCGAAAGCAATCAAAATATTTTCTGTCTCCATTGAAAGGA 530
QY 481 ATAGAACTGGTGTGCGGCGGCTCTGCGGCGGAGATACGAGGATGAAACCATGACAGTT 540
Db 531 ATAGAACTGGTGTGCGGCGGCTCTGCGGCGGAGATACGAGGATGAAACCATGACAGTT 590
QY 541 TACCAGATCCCATATACACAGTGAACAGAGGAGGAAAGCAACCAACCATGCGAGGTCCA 600
Db 591 TACCAGATCCCATATACACAGTGAACAGAGGAGGAAAGCAACCAACCATGCGAGGTCCA 650
QY 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATTTTCAGACTCCGAGTCCGAATGAAAT 660
Db 651 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATTTTCAGACTCCGAGTCCGAATGAAAT 710
QY 661 GAGCCACACCTTCCACATGTTGTAGCCAGAGAGGAGGCTCAGGGACTCTCCCTGGTC 720
Db 711 GAGCCACACCTTCCACATGTTGTAGCCAGAGAGGAGGCTCAGGGACTCTCTCTGGTC 770
QY 721 GTAGCTTTTCATCTGTAAGCTTCACTTAAAGAGAGGAACTTCTTGTGTCTCAAGCAAG 780
Db 771 GTAGCTTTTCATCTGTAAGCTTCACTTAAAGAGAGGAACTTCTTGTGTCTCAAGCAAG 830
QY 781 GAGATGGGCTTCCAGTTCGAGCAGCTGCCATCGCTCCCATCATTCGTCTGTCTCAGGAC 840
Db 831 GAGATGGGCTTCCAGTTCGAGCAGCTGCCATCGCTCCCATCATTCGTCTGTCTCAGGAC 890

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Query Match					
Best Local Similarity		100.0%;	Score 2481;	DB 10;	Length 2958;
Matches 2481;		Conservative	0;	Mismatches	0; Indels
		0;	Gaps	0;	Gaps
QY	1	ATGTGGCGCTTTGCTTGCCTGTCGGTGCCGGGCCGAGCAGCATGTGCGAGGACGC	60		
Db	51	ATGTGGCGCTTTGCTTGCCTGTCGGTGCCGGGCCGAGCAGCATGTGCGAGGACGC	110		
QY	61	ACCATATCCAGGCAACCCCGCCGCGAGCGGCCGCGAAGGACCCGCTGCGGCACCTG	120		
Db	111	ACCATATCCAGGCAACCCCGCCGCGAGCGGCCGCGAAGGACCCGCTGCGGCACCTG	170		
QY	121	CGCACGCGAGAAGCGCGCACCGTGGGGTGTCTCCGCGCGCCAAACACCGTGTACTG	180		
Db	171	CGCACGCGAGAAGCGCGCACCGTGGGGTGTCTCCGCGCGCCAAACACCGTGTACTG	230		
QY	181	CAGGTGGTGGCAGCGGTAGCCGGAATCTCTGAGTCTTCCGAGTCTTCCGAGTTC	240		
Db	231	CAGGTGGTGGCAGCGGTAGCCGGAATCTCTGAGTCTTCCGAGTCTTCCGAGTTC	290		
QY	241	AACCGGTATCTCTTCAACTGTGGAGAAGCGTTTACAGACTCATGACGAGGACAAGTTA	300		
Db	291	AACCGGTATCTCTTCAACTGTGGAGAAGCGTTTACAGACTCATGACGAGGACAAGTTA	350		
QY	301	AAGTTTCTGCTGCGCTGACCAACATATTCTGACACGAAATGCACTGGTCTTAATGTTGGGGC	360		
Db	351	AAGTTTCTGCTGCGCTGACCAACATATTCTGACACGAAATGCACTGGTCTTAATGTTGGGGC	410		
QY	361	TAAAGTGGAAATGATCTTACTTTAAAGGAAAACCGGGCTTCCAAAGTGTGTAATTTCTGGA	420		
Db	411	TAAAGTGGAAATGATCTTACTTTAAAGGAAAACCGGGCTTCCAAAGTGTGTAATTTCTGGA	470		
QY	421	CTCTCCAACTGGAATAATPACTCGAAGCAATCAAATAATTTCTGTTCCAATGAAAGGA	480		
Db	471	CTCTCCAACTGGAATAATPACTCGAAGCAATCAAATAATTTCTGTTCCAATGAAAGGA	530		
QY	481	ATAGACTGCTGTGCGGCCCACTCTGCCAGAAATACGAGATGAAACCATACAGTT	540		
Db	531	ATAGACTGCTGTGCGGCCCACTCTGCCAGAAATACGAGATGAAACCATACAGTT	590		
QY	541	TACCAGATCCCACATACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGATCCA	600		
Db	591	TACCAGATCCCACATACAGTGAACAGAGAGGGGAAAGCAACCAATGGCAGATCCA	650		
QY	601	GAAGGCTCTACGAGGCTCAGTCCAGAGCATCTTCAGACTCCGAGTCCGAATGAAAT	660		
Db	651	GAAGGCTCTACGAGGCTCAGTCCAGAGCATCTTCAGACTCCGAGTCCGAATGAAAT	710		
QY	661	GAGCCACACCTTCCACATGTTGTAGCCAGAGAAGGGGTGAGGACTCTTCCCTGTC	720		
Db	711	GAGCCACACCTTCCACATGTTGTAGCCAGAGAAGGGGTGAGGACTCTTCCCTGTC	770		
QY	721	GTAGCTTTTCACTGTAAAGTTTCACTTAAAGAGGAAACTTCTTGGTCTCAAGCBAAG	780		
Db	771	GTAGCTTTTCACTGTAAAGTTTCACTTAAAGAGGAAACTTCTTGGTCTCAAGCBAAG	830		
QY	781	GAGATGGGCTTCCAGTGTGGACAGCTGCCATCGCTCCCATCATTTGCTGCTCTCAAGGAC	840		
Db	831	GAGATGGGCTTCCAGTGTGGACAGCTGCCATCGCTCCCATCATTTGCTGCTCTCAAGGAC	890		
QY	841	GGGAAAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGTGAAGCTGTGTAATCTCTCA	900		
Db	891	GGGAAAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGTGAAGCTGTGTAATCTCTCA	950		
QY	901	GATCTGTGCTGCTTTTTTGGTGGTAGAATGTCCAGATGAAAGCTTCAATCAAACCATC	960		
Db	951	GATCTGTGCTGCTTTTTTGGTGGTAGAATGTCCAGATGAAAGCTTCAATCAAACCATC	1010		
QY	961	TGTGAGAAATGCCATTTTCAGAGTACCAAGGAAAGCAGATGCCCCCGCTGGCTTGGTG	1020		
Db	1011	TGTGAGAAATGCCATTTTCAGAGTACCAAGGAAAGCAGATGCCCCCGCTGGCTTGGTG	1070		





Db 1201 ACCAGTTTCCCTGTAAAGAGAGGGGCCACCCCTCAGTGTGCCCATGGTTCAAGGTGAA 1260  
Qy 1261 TGCCTCTCAAGTACCAAGCTCCGTCACAGAGGAGTGGCAGAGGGATGCCATTATTACT 1320  
Db 1261 TGCCTCTCAAGTACCAAGCTCCGTCACAGAGGAGTGGCAGAGGGATGCCATTATTACT 1320  
Qy 1321 TGCATCTCTAGGAATTCATAGTTGAGCGCTGTCAGCTTCCCACTTCCAGAGAGGTG 1380  
Db 1321 TGCATCTCTAGGAATTCATAGTTGAGCGCTGTCAGCTTCCCACTTCCAGAGAGGTG 1380  
Qy 1381 CAGAGTACAGAGAGTGGCAGGACGGCCAGCCAGCCAGAGAGAGAGAGTCACTAC 1440  
Db 1381 CAGAGTACAGAGAGTGGCAGGACGGCCAGCCAGCCAGAGAGAGAGAGTCACTAC 1440  
Qy 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCGATGAAGATTCGAATGTCAGT 1500  
Db 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGCCATCCGATGAAGATTCGAATGTCAGT 1500  
Qy 1501 GCCACACTGTCAACATAGCCCGCACACGCTCTGTCTACTGGACTGTGGTGGGGCACA 1560  
Db 1501 GCCACACTGTCAACATAGCCCGCACACGCTCTGTCTACTGGACTGTGGTGGGGCACC 1560  
Qy 1561 TTTGGGAGCTGTGCGCTCATTAAGGACAGGAGTGGACAGGGTCTGGGACACCTGGCT 1620  
Db 1561 TTTGGGAGCTGTGCGCTCATTAAGGACAGGAGTGGACAGGGTCTGGGACACCTGGCT 1620  
Qy 1621 GCTGTTTGTGTCCACTGCTGAGCAGATCACACAGCGCTTGCAGATTCCTGCTG 1680  
Db 1621 GCTGTTTGTGTCCACTGCTGAGCAGATCACACAGCGCTTGCAGATTCCTGCTG 1680  
Qy 1681 CAGAGAGAACGGCTTGGCACTTTTGGAAAGCGCTTCAACCTTTGCTGGTGGTGGCC 1740  
Db 1681 CAGAGAGAACGGCTTGGCACTTTTGGAAAGCGCTTCAACCTTTGCTGGTGGTGGCC 1740  
Qy 1741 CCCAACAGCTCAAAAGCTGCTCAGCAGTACCAACACAGTCCAGAGAGTCTCTGCAC 1800  
Db 1741 CCCAACAGCTCAAAAGCTGCTCAGCAGTACCAACACAGTCCAGAGAGTCTCTGCAC 1800  
Qy 1801 CACATCAGTATGATTCCTGCCAATGCTTCCAGAGGGCTGAGATCTCCAGTCTCGCA 1860  
Db 1801 CACATCAGTATGATTCCTGCCAATGCTTCCAGAGGGCTGAGATCTCCAGTCTCGCA 1860  
Qy 1861 GTGGAAGATGATCAGTTCGCTGTGGCAATGATGATTTGGAAGATTTTCAGACCTGT 1920  
Db 1861 GTGGAAGATGATCAGTTCGCTGTGGCAATGATGATTTGGAAGATTTTCAGACCTGT 1920  
Qy 1921 GTGTTGGGCACTGCAAGCATGCTTTGGCTGTGGCTGTGGCTGTCACACCTCTGGCTGAAA 1980  
Db 1921 GTGTTGGGCACTGCAAGCATGCTTTGGCTGTGGCTGTGGCTGTCACACCTCTGGCTGAAA 1980  
Qy 1981 GTGGTCTATTCCGGGGACACCATGCCCTGCGAGGCTCTGGTCCGATGGGAAAGATGCC 2040  
Db 1981 GTGGTCTATTCCGGGGACACCATGCCCTGCGAGGCTCTGGTCCGATGGGAAAGATGCC 2040  
Qy 2041 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGGAGAGAGAGTGGAAAG 2100  
Db 2041 ACCCTCTGATACATGAAGCCACCTGGAAGATGTTTGGAGAGAGAGTGGAAAG 2100  
Qy 2101 ACACACAGCACAACCTCCCAAGCATCAGCTGGGGATGGGATGAAACCGGAGTTCAAT 2160  
Db 2101 ACACACAGCACAACCTCCCAAGCATCAGCTGGGGATGGGATGAAACCGGAGTTCAAT 2160  
Qy 2161 ATGCTGAACCACTTCAGCAGCGCTATGCCAAGTCCCTCTTCAGGCCCAACTTCAGC 2220  
Db 2161 ATGCTGAACCACTTCAGCAGCGCTATGCCAAGTCCCTCTTCAGGCCCAACTTCAGC 2220  
Qy 2221 GAGAAAGTGGAGTGTGCTTTGACACATGAAGTCTGCTTTGGAGACTTTCCACAAATG 2280  
Db 2221 GAGAAAGTGGAGTGTGCTTTGACACATGAAGTCTGCTTTGGAGACTTTTCACAAATG 2280  
Qy 2281 CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTTGTGGCGCATCGAGAGATGGAGAG 2340  
Db 2281 CCCAAGCTGATTCCTCCCACTGAAAGCCCTGTTTGTGGCGCATCGAGAGATGGAGAG 2340

RESULT 8

US-09-988-687-223  
; Sequence 223, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtligian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT APPLICATION NUMBER: US/09/988,687  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 223  
; LENGTH: 2908  
; TYPE: DNA  
; ORGANISM: Pan troglodytes  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(2478)  
US-09-988-687-223

Query Match 99.0%; Score 2455.4; DB 10; Length 2908;  
Best Local Similarity 99.4%; Pred. No. 0;  
Matches 2465; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1 ATGTGGCGCTTTTGTCTCGTGTGCGTCCGCGCCGCGAGCCGCTGCGGAGCCGCTGCGGACCG 60  
Db 1 ATGTGGCGCTTTTGTCTCGTGTGCGTCCGCGCCGCGAGCCGCTGCGGAGCCGCTGCGGACCG 60  
Qy 61 ACCATATCGCAGGACCCGCGCCGCGAGCCGCGGAGCCGCTGCGGACCGCTGCGGACCGCTG 120  
Db 61 ACCATATCGCAGGACCCGCGCCGCGAGCCGCGGAGCCGCTGCGGACCGCTGCGGACCGCTG 120  
Qy 121 CGCACCGGAGAGAGCGGACCGCTCGGGTGTCTCGGGCGCGCCCAACACCGTGTACCTG 180  
Db 121 CGCACCGGAGAGAGCGGACCGCTCGGGTGTCTCGGGCGCGCCCAACACCGTGTACCTG 180  
Qy 181 CAGTGTGTGCGAGCGGGTAGCCGGAGCTCGGGCGCGCGCTACGCTTCTCCGAGTTC 240  
Db 181 CAGTGTGTGCGAGCGGGTAGCCGGAGCTCGGGCGCGCGCTACGCTTCTCCGAGTTC 240  
Qy 241 AACCGGTATCTTCAACTGTGAGAGGGGTTTCAGAGACTCATGAGGAGCAAGTTA 300  
Db 241 AACCGGTATCTTCAACTGTGAGAGGGGTTTCAGAGACTCATGAGGAGCAAGTTA 300  
Qy 301 AAGTTCTCTCCCTGGGACAAATATCTTCTGACACGAATGCACTGGTCTAATGTTGGGGGC 360  
Db 301 AAGTTCTCTCCCTGGGACAAATATCTTCTGACACGAATGCACTGGTCTAATGTTGGGGGC 360

QY 361 TTAAGTGAATGATCTTACTTTAAAGGAAACCGGGCTTCAAAGTGTGTACTTTCTGGA 420  
DB 361 TTAAGTGAATGATCTTACTTTAAAGGAAACCGGGCTTCAAAGTGTGTACTTTCTGGA 420  
QY 421 CTTCCACAACTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAGGA 480  
DB 421 CTTCCACAACTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAGGA 480  
QY 481 ATAGAACTGGCTGTGGGGCCCACTCTGCCAGAAATACGAGGATGAAACCATGACAGTT 540  
DB 481 ATAGAACTGGCTGTGGGGCCCACTCTGCCAGAAATACGAGGATGAAACCATGACAGTT 540  
QY 541 TACAGATCCCATACAGAGTGAACAGAGGAGGGAAGCAACCAATGCGAGTCCA 600  
DB 541 TACAGATCCCATACAGAGTGAACAGAGGAGGGAAGCAACCAATGCGAGTCCA 600  
QY 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGGATCTTCAGACTCCGAGTCCGAATGAAAT 660  
DB 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGGATCTTCAGACTCCGAGTCCGAATGAAAT 660  
QY 661 GAGCCACACTTCCACATGGTGTAGCCAGAGAGAGGGGTGAGGACTCTTCCCTGGTC 720  
DB 661 GAGCCACACTTCCACATGGTGTAGCCAGAGAGAGGGGTGAGGACTCTTCCCTGGTC 720  
QY 721 GTAGCTTTCACTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGGAAAG 780  
DB 721 GTAGCTTTCACTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGGAAAG 780  
QY 781 GAGATGGGCTCCCACTGGGACAGCTGCCATCGCTCCCATCATGTGCTGTCAAGGAC 840  
DB 781 GAGATGGGCTCCCACTGGGACAGCTGCCATCGCTCCCATCATGTGCTGTCAAGGAC 840  
QY 841 GGGAAAGCATCACTCATGAAGGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900  
DB 841 GGGAAAGCATCACTCATGAAGGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900  
QY 901 GATCTGTGTGCTTTTGTGGTGTGAATGTCCAGATGAAGCTTCACTTCAACCCATC 960  
DB 901 GATCTGTGTGCTTTTGTGGTGTGAATGTCCAGATGAAGCTTCACTTCAACCCATC 960  
QY 961 TGTGAGATGCCACTTTTCAAGGTAACAAGAAAGGAGATGCCCGCTGGCTTGGT 1020  
DB 961 TGTGAGATGCCACTTTTCAAGGTAACAAGAAAGGAGATGCCCGCTGGCTTGGT 1020  
QY 1021 GTTCATGSGCCCAAGCATCTGTCTTGTGACAGCAGGTACCAAGCTGTGATGAGGAGG 1080  
DB 1021 GTTCATGSGCCCAAGCATCTGTCTTGTGACAGCAGGTACCAAGCTGTGATGAGGAGG 1080  
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DB 1081 TTTGGGCTGACCCAGCACTTGGTCTCTGAATGAGAACTGTGCTCAGTTCAACACCTT 1140  
QY 1141 CGCAGCCACAGATTCAAACCACTCAACCTCATCCACCGGACATCTTCCCGCTGCTC 1200  
DB 1141 CGCAGCCACAGATTCAAACCACTCAACCTCATCCACCGGACATCTTCCCGCTGCTC 1200  
QY 1201 ACCAGTTTCCGCTGTAAAGAGAGGGGCCCACTCAGTGTGCCATGGTTTCAAGGTGAA 1260  
DB 1201 ACCAGTTTCCGCTGTAAAGAGAGGGGCCCACTCAGTGTGCCATGGTTTCAAGGTGAA 1260  
QY 1261 TGCCTCTCAAGTACAGTCCGTCAGGAGGAGTGGCAGAGGATGCCATTAAT 1320  
DB 1261 TGCCTCTCAAGTACAGTCCGTCAGGAGGAGTGGCAGAGGATGCCATTAAT 1320  
QY 1321 TGCAATCTCAGGAATTCATAGTTGAGCGCTGCAGCTTCCCACTTCCAGCAGAGGCTG 1380  
DB 1321 TGCAATCTCAGGAATTCATAGTTGAGCGCTGCAGCTTCCCACTTCCAGCAGAGGCTG 1380  
QY 1381 CAGGAGTACAGGAGGTGCGCAGGACGGCCCAAGCCCAAGCAGAGAAAGTCAAGTAC 1440  
DB 1381 CAGGAGTACAGGAGGTGCGCAGGACGGCCCAAGCCCAAGCAGAGAAAGTCAAGTAC 1440

QY 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGCAATCCCGATGAAGATTCGAAATGTCACT 1500  
DB 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGCAATCCCGATGAAGATTCGAAATGTCACT 1500  
QY 1501 GCACACTTGTCTAAATAAGCCCCGACAGCTCTCTGCTACTGGAATGTGGTGAAGGACACA 1560  
DB 1501 GCACACTTGTCTAAATAAGCCCCGACAGCTCTCTGCTACTGGAATGTGGTGAAGGACACA 1560  
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DB 1561 TTTGGCAGCTGTGCGCTCATTAACGAGACAGGTGGACAGGGTCTTGGGCAACCTTGGCT 1620  
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DB 1621 GCTGTCTTGTGTCCCACTGTCACGAGATCAACACAGGGCTTGCAGATCTTCTTGTG 1680  
QY 1681 CAGAGAGAACGGGCTTGGCATCTTTGGAAAGCGCTTCACTTCTGCTGGTGGTGGCC 1740  
DB 1681 CAGAGAGAACGGGCTTGGCATCTTTGGAAAGCGCTTCACTTCTGCTGGTGGTGGCC 1740  
QY 1741 CCCAACAGCTCAAAAGCTTGGCTCCAGCAGTACCAACACAGTGCAGAGGTCTCTGCAC 1800  
DB 1741 CCCAACAGCTCAAAAGCTTGGCTCCAGCAGTACCAACACAGTGCAGAGGTCTCTGCAC 1800  
QY 1801 CACATCAGTATGATTCCTGCCAAATGCCCTTCAAGGAGGGGTGAGATCTCAGTCTGCA 1860  
DB 1801 CACATCAGTATGATTCCTGCCAAATGCCCTTCAAGGAGGGGTGAGATCTCAGTCTGCA 1860  
QY 1861 GTGGAAGATTCATCAGTTCGCTGTGGAAACATGATTTTGGAAAGTTCAGACCTGT 1920  
DB 1861 GTGGAAGATTCATCAGTTCGCTGTGGAAACATGATTTTGGAAAGTTCAGACCTGT 1920  
QY 1921 CTGGTGGGCACTGCAAGATGCGTGTGGCTGTGGTGCACACCTCTGGCTGGAAA 1980  
DB 1921 CTGGTGGGCACTGCAAGATGCGTGTGGCTGTGGTGCACACCTCTGGCTGGAAA 1980  
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DB 1981 GTGGTCTATTCCGGGACACCATGCGCTGCGAGGCTGTGGTCCGATGGGAAAGATGCC 2040  
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DB 2041 ACCCTCTGATACATGAAGCCACCTCTGGAAGAGAGTGTGGAAAGAGAGTGGAAAAG 2100  
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DB 2101 ACACACAGCAACCTCCCAAGCCATCAGCTGGGATGCGGATGAACGCGAGTTCATT 2160  
QY 2161 ATGCTGAACCACTTCCAGCGCTTATGCCAAGGTCTCCCTCTTCCAGCCCCCACTCAGC 2220  
DB 2161 ATGCTGAACCACTTCCAGCGCTTATGCCAAGGTCTCCCTCTTCCAGCCCCCACTCAGC 2220  
QY 2221 GAGAAAGTGGAGTGGCTTTGACCAATGAAGTGTGCTTTGGAGACTTTCACCAATG 2280  
DB 2221 GAGAAAGTGGAGTGGCTTTGACCAATGAAGTGTGCTTTGGAGACTTTCACCAATG 2280  
QY 2281 CCCAAGCTGATTCCCACTGAAGCCCTGTTTGTGGCGACATCGAGGAGATGGAGAG 2340  
DB 2281 CCCAAGCTGATTCCCACTGAAGCCCTGTTTGTGGCGACATCGAGGAGATGGAGAG 2340  
QY 2341 CGCAGGAGAGCGGGAGCTCGGAGGTGGCGGGCCCTCTCTGTCCAGGAGACTGGCA 2400  
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DB 2401 GCGGCGCTTGGAGGATGGGAGCTCAGCAGAAAGCGGCCCCACACAGAGGAGCCACAGGCC 2460  
QY 2461 AAGAAAGTTCAGAGCCCCAGTGA 2481  
DB 2461 AAGAAAGTTCAGAGCCCCAGTGA 2481



Db	1621	GCTGTGTTTGTCCTCCACTGCA	CGCAGATCACACACGGGCTTGCTAAATATCTTGCTG	1681
Qy	1681	CAGAGAAACGCGCTTTGGCATCTTTGGGAAAGCCGCTT	CACCTTTGCTGGTGGTTGCC	1740
Db	1681	CAGAGAAACGAGCCTTTGGCATCTTTGGGAAAGCCCTT	CACCTTTGCTGGTGGTTGCC	1740
Qy	1741	CCCAACAGCTCAAGCCTGCTCCAGCAGTACCACACACAGTCCAGGAGGTCCTGCAC	1800	
Db	1741	CCCAACAGCTCAAGCCTGCTCCAGCAGTACCACACACAGTCCAGGAGGTCCTGCAC	1800	
Qy	1801	CACATCAGTATGATCTCTGCGAAATGCTTTCAGGAAGGGCTGAGATCTCCAGTCTTGCA	1860	
Db	1801	CACATCAGTATGATCTCTGCGAAATGCTTTCAGGAAGGGCTGAGATCTCCAGTCTTGCA	1860	
Qy	1861	GTGGAAGATTTGATTCAGTTGCTGCTGTGCGAACATGTATTTGGAAGAGTTTTCAGACCTGT	1920	
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Qy	1921	CTGCTGGCGCATCTGCAAGCATGCGTTTGGCTGTGCGTGTGTCACACCTCTGCGTGGAAA	1980	
Db	1921	CTGCTGGCGCATCTGCAAGCATGCGTTTGGCTGTGCGTGTGTCACACCTCTGCGTGGAAA	1980	
Qy	1981	GTGCTCTATTCCGGGGACACCATGCCCTGCGAGGCTCTGTGTCGGATGCGGGAAGATGCC	2040	
Db	1981	GTGCTCTATTCCGGGGACACCATGCCCTGCGAGGCTCTGTGTCGGATGCGGGAAGATGCC	2040	
Qy	2041	ACCTCTCTGATACATGAAGCGACCTCGGAAGATGTTTGGAGAGGAGCAGTGGAAAAG	2100	
Db	2041	ACCTCTCTGATACATGAAGCGACCTCGGAAGCAGCTTGGAGAGGAGCAGTGGAAAAG	2100	
Qy	2101	ACACACAGCACAAAGTCCCAAGCCATCAGCGTGGGGATGCGGATGAACGCGGAGTTTCATT	2160	
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Db	2161	ATGCTGAACACATTACGACGAGCGTATGCAAGTCCCTCTTCAGCCCCCAATCTCAGC	2220	
Qy	2221	GAGAAAGTGGGAGTTGCTTTTGACCATCAAGAGTCTGCTTTGGAGACTTTCACAAATG	2280	
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Qy	2281	CCCAAGCTGATTCCCCCACTGAAGCCCTGTTGCTGGCGACATCGAGGAGATGGAGGAG	2340	
Db	2281	CCCAAGCTGATTCCCCCACTGAAGCCCTGTTGCTGGCGACATCGAGGAGATGGAGGAG	2340	
Qy	2341	CGCAGGAGAAAGCGGGAGCTCGCGCAGTTCGGGCGGCGCTCTCTGTCAGGGAGCTGGCA	2400	
Db	2341	CGCAGGAGAAAGCGGGAGCTCGCGCAGTTCGGGCGGCGCTCTCTGTCAGGGAGCTGGCA	2400	
Qy	2401	GGCGGCTTGAGGATGGGAGCTCAGCAGAAAGCGGCGCCACACAGAGGAGCCACAGGCC	2460	
Db	2401	GGCGGCTTGAGGATGGGAGCTCAGCAGAAAGCGGCGCCACACAGAGGAGCCACAGGCC	2460	
Qy	2461	AAGAAGTTCAGAGCCCAAGTGA	2481	
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## RESULT 10

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/ RESUBMIT 10
/ US-09-988-626-225
/ Sequence 225, Application US/09988626
/ Publication No. US20030044959A1
/ GENERAL INFORMATION:
/ APPLICANT: Tavtigian, Sean V.
/ APPLICANT: Teng, David H.F.
/ APPLICANT: Simard, Jacques
/ APPLICANT: Rommens, Johanna M.
/ APPLICANT: Myriad Genetics, Inc.
/ TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
/ TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
/ FILE REFERENCE: 2318-258
/ CURRENT APPLICATION NUMBER: US/09/988-626
/

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Db 841 GGGAAAGACATCACTCATGAGGAGAGAGATTTGGCTGAAGAGCTGTACTCTCTCCA 900  
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QY 961 TGTGAGATGCCACTTTTCAGAGTACCAAGGAAAGCAGATGCCCGCTGGCTTGGTG 1020  
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QY 1021 GTTCACATGGCCCGAGCATCTGTGCTGTGACAGCAGGTACCAAGCAGTGGATGGAGG 1080  
Db 1021 GTTCACATGGCCCGAGCATCTGTGCTGTGACAGCAGGTACCAAGCAGTGGATGGAGG 1080  
QY 1081 TTTGGGCTGTACACCCAGCACTTGGTCTGTAATGAGAACTGTGCTCAGTTCAACCTT 1140  
Db 1081 TTTGGGCTGTACACCCAGCACTTGGTCTGTAATGAGAACTGTGCTCAGTTCAACCTT 1140  
QY 1141 CGCAGCCACAGATTCAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCGCTGCTC 1200  
Db 1141 CGCAGCCACAGATTCAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCGCTGCTC 1200  
QY 1201 ACCAGTTTCCGCTGTGAAGAGAGGGCCCCACCCTCAGTGTGCCATGGTTCAGGGTGA 1260  
Db 1201 ACCAGTTTCCGCTGTGAAGAGAGGGCCCCACCCTCAGTGTGCCATGGTTCAGGGTGA 1260  
QY 1261 TGCCTCTCAAGTACCACTCCGCTCCAGAGGAGGTGGCAGAGGGATGCCATTATTAAT 1320  
Db 1261 TGCCTCTCAAGTACCACTCCGCTCCAGAGGAGGTGGCAGAGGGATGCCATTATTAAT 1320  
QY 1321 TGCATCTCTGAGGAATTCATAGTTGAGGCGCTGAGCTTCCCAACTTCCAGCAGGCGTG 1380  
Db 1321 TGCATCTCTGAGGAATTCATAGTTGAGGCGCTGAGCTTCCCAACTTCCAGCAGGCGTG 1380  
QY 1381 CAGGAGTACAGAGAGTGGCAGAGCGGCCAGCCAGCCAGCAGAGAAAGATCAGTAC 1440  
Db 1381 CAGGAGTACAGAGAGTGGCAGAGCGGCCAGCCAGCCAGCAGAGAAAGATCAGTAC 1440  
QY 1441 CCAGAAATCACTTCTTGGAAACAGGCTCTGCCATCCCGATGAAGATTCGAAATGTCAGT 1500  
Db 1441 CCAGAAATCACTTCTTGGAAACAGGCTCTGCCATCCCGATGAAGATTCGAAATGTCAGT 1500  
QY 1501 GCCACACTTGTCAACATAAGCCCGACACAGCTCTCTGTACTGGAATGTGGTGGGCA 1560  
Db 1501 GCCACACTTGTCAACATAAGCCCGACACAGCTCTCTGTACTGGAATGTGGTGGGCA 1560  
QY 1561 TTTGGGAGCTGTGCGCTCATACGAGACAGGTGGACAGGTCCTGGGCACCTGGCT 1620  
Db 1561 TTTGGGAGCTGTGCGCTCATACGAGACAGGTGGACAGGTCCTGGGCACCTGGCT 1620  
QY 1621 GCTGTGTTGTGTCCACCTGACACAGATCACCACAGGCTTGGCCAGATCTTGTCTG 1680  
Db 1621 GCTGTGTTGTGTCCACCTGACACAGATCACCACAGGCTTGGCCAGATCTTGTCTG 1680  
QY 1681 CAGAGAGAACGGCTTGGCATCTTTGGGAAAGCGCTTCAACCTTGTCTGCTGGTGGCC 1740  
Db 1681 CAGAGAGAACGGCTTGGCATCTTTGGGAAAGCGCTTCAACCTTGTCTGCTGGTGGCC 1740  
QY 1741 CCCAACCCAGCTCAAAGCTGGCTCCAGCAGTACCAACCAAGTCCAGGAGGTCTCTGCAC 1800  
Db 1741 CCCAACCCAGCTCAAAGCTGGCTCCAGCAGTACCAACCAAGTCCAGGAGGTCTCTGCAC 1800  
QY 1801 CACATCAGTATGATTCCTGCCAAATGCCTTCAGGAAGGGGTGAGATCTCCAGTCTGCA 1860  
Db 1801 CACATCAGTATGATTCCTGCCAAATGCCTTCAGGAAGGGGTGAGATCTCCAGTCTGCA 1860

QY 1861 GTGGAAAGATTCATCAGTTGCTGTGGAAACATGATGTTGGAAAGATTTTCAGACCTGT 1920  
Db 1861 GTGGAAAGATTCATCAGTTGCTGTGGAAACATGATGTTGGAAAGATTTTCAGACCTGT 1920  
QY 1921 CTGGTGGGCACTGCAAGCATGCTTTGGCTGTGCGCTGGTGCAACCTCTGGCTGGAAA 1980  
Db 1921 CTGGTGGGCACTGCAAGCATGCTTTGGCTGTGCGCTGGTGCAACCTCTGGCTGGAAA 1980  
QY 1981 GTGGTCTATTTCGGGGACACCATGCTCGGAGGCTCTGGTCCGATGGGAAAGATGCC 2040  
Db 1981 GTGGTCTATTTCGGGGACACCATGCTCGGAGGCTCTGGTCCGATGGGAAAGATGCC 2040  
QY 2041 ACCCTCTCATATCAATGAAGCCACCTTGAAGATGTTTGGAAAGAGAGCACTGGAAAAG 2100  
Db 2041 ACCCTCTCATATCAATGAAGCCACCTTGAAGATGTTTGGAAAGAGAGCACTGGAAAAG 2100  
QY 2101 ACACAGCACAACGTTCCCAAGCCATCAGCTGGGGATCGGATGAAACGCGAGTTCATT 2160  
Db 2101 ACACAGCACAACGTTCCCAAGCCATCAGCTGGGGATCGGATGAAACGCGAGTTCATT 2160  
QY 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGTCCTCTTCAGCCCACTTCAAC 2220  
Db 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGTCCTCTTCAGCCCACTTCAAC 2220  
QY 2221 GAGAAAGTGGGAGTTGCTTTTCCACCATGAAGGCTCTTTGGAGACTTTTCCAACTG 2280  
Db 2221 GAGAAAGTGGGAGTTGCTTTTCCACCATGAAGGCTCTTTGGAGACTTTTCCAACTG 2280  
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Db 2281 CCCAAGCTGATTTCCCGCTGAAAGCCCTGTTGCTGGCGACATCGAGAGATGAGGAG 2340  
QY 2341 CGCAGGGAAGAGCGGAGCTGCGCAGGTGCGGCGGCGGCTCTCTGTCTCAGGAGCTGGCA 2400  
Db 2341 CGCAGGGAAGAGCGGAGCTGCGCAGGTGCGGCGGCGGCTCTCTGTCTCAGGAGCTGGCA 2400  
QY 2401 GCGGCTCTGAGAGTGGGAGCTCAGCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2460  
Db 2401 GCGGCTCTGAGAGTGGGAGCTCAGCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2460  
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Db 2461 AAGAAGTTCAGAGCCCACTGA 2481

## RESULT 11

US-09-988-687-225  
; Sequence 225, Application US/09988687  
; Publication No. US20030045704A1  
; GENERAL INFORMATION:  
; APPLICANT: Tavtigian, Sean V.  
; APPLICANT: Teng, David H.F.  
; APPLICANT: Simard, Jacques  
; APPLICANT: Rommens, Johanna M.  
; APPLICANT: Myriad Genetics, Inc.  
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility  
; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes  
; FILE REFERENCE: 2318-258  
; CURRENT FILING DATE: 2001-11-20  
; PRIOR APPLICATION NUMBER: 09/564,805  
; PRIOR FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/107,468  
; PRIOR FILING DATE: 1998-11-06  
; PRIOR APPLICATION NUMBER: 09/434,382  
; PRIOR FILING DATE: 1999-11-05  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 225  
; LENGTH: 2892  
; TYPE: DNA  
; ORGANISM: Gorilla gorilla  
; FEATURE:

NAME/KEY: CDS  
LOCATION: (1) ... (2478)  
US-09-988-687-225

Query Match 98.5%; Score 2442.6; DB 10; Length 2892;  
Best Local Similarity 99.0%; Pred. No. 0;  
Matches 2457; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

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DB 61 ACCATATCGCAGGCAACCGCCGCGGAGCGGCGCAAGGACCCGCTGCGGCACCTG 120

QY 121 CGCAGCGGAGAGCGGCGGACCGTCCGGGTGCTCCGGCGGCCCAACACCGGTGTACTG 180  
DB 121 CGCAGCGGAGAGCGGCGGACCGTCCGGGTGCTCCGGGGGCCCAACACCGGTGTACTG 180

QY 181 CAGGTGTGGCAGGCGGTAGCGGGGACTCGGGCGCCGCGTCTACGTCCTTCTCCGAGTTC 240  
DB 181 CAGGTGTGGCAGGCGGTAGCGGGGACTCGGGCGCCGCGTCTACGTCCTTCTCCGAGTTC 240

QY 241 AACCGGTATCTTCACTGTGGAGAGGCGTTGAGAGACTCATGCAAGGACCAAGTTA 300  
DB 241 AACCGGTATCTTCACTGTGGAGAGGCGTTGAGAGACTCATGCAAGGACCAAGTTA 300

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DB 301 AAGGTGTCTCGCTTGGCAACATATCTGACAGCAATGCACGTGCTATATGTTGGGGC 360

QY 361 TTAAGTGAATGATCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGACTTCTGGA 420  
DB 361 TTAAGTGAATGATCTTACTTTAAAGGAAACCGGGCTTCCAAAGTGTGACTTCTGGA 420

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DB 421 CCTCCAACTGGAAAAATACCTCGAAGCAATCAAAATATTTCTGGTCCATGAAAGGA 480

QY 481 ATAGAACTGGGTGCGGCCCACTCTGCCCGGAGATACAGGATGAAACCATGACAGTT 540  
DB 481 ATAGAACTGGGTGCGGCCCACTCTGCCCGGAGATACAGGATGAAACCATGACAGTT 540

QY 541 TACCAGATCCCCATACACAGTGAACAGAGAGGGAAGCAACCACTGCGAGAGTCCA 600  
DB 541 TACCAGATCCCCATACACAGTGAACAGAGAGGGAAGCAACCACTGCGAGAGTCCA 600

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QY 721 GTAGCTTTCATCTGTAGCTTCACTTAAAGAGAGGAACTTCTTGTGTCTCAAGCAAG 780  
DB 721 GTAGCTTTCATCTGTAGCTTCACTTAAAGAGAGGAACTTCTTGTGTCTCAAGCAAG 780

QY 781 GAGATGGGCTCCAGTGTGGGACAGTGTCCATCGCTCCCATATCTGCTGTCAAGGAC 840  
DB 781 GAGATGGGCTCCAGTGTGGGACAGTGTCCATCGCTCCCATATCTGCTGTCAAGGAC 840

QY 841 GGGAAAGCATCACTCATAGAGAGAGGATTTTGGCTGCAAGAGCTGTACTCTCTCA 900  
DB 841 GGGAAAGCATCACTCATAGAGAGAGGATTTTGGCTGCAAGAGCTGTACTCTCTCA 900

QY 901 GATCTGTGTCTCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCAATCAACCCATC 960  
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QY 961 TGTGAGATGCCACCTTTCAGAGGTACCAAGGAAAGGAGATGCCCTTGGCTTGGTG 1020

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DB 1621 GCTGTGTTGTGCTCCACCTGACGAGATCACACAGGGCTTGCAGATCTTCTGCTG 1680

QY 1681 CAGAGAAACCGGCTTGGCATCTTTGGAAAGCGCTTCAACCTTGTGGTGGTGGCC 1740

DB 1681 CAGAGAAACCGGCTTGGCATCTTTGGAAAGCGCTTCAACCTTGTGGTGGTGGCC 1740

QY 1741 CCCAACAGCTCAAGGCTGGCTCCAGCATCACAAACAGTCCAGAGGAGTCTCTGCAC 1800

DB 1741 CCCAGCCAGCTCAAGGCTGGCTCCAGCATCACAAACAGTCCAGAGGAGTCTCTGCAC 1800

QY 1801 CACATCAGTATGATCTTCCCAATGCTTTCAGGAAGGCTGAGATCTCCAGTCTGCA 1860

DB 1801 CACATCAGTATGATCTTCCCAATGCTTTCAGGAAGGCTGAGATCTCCAGTCTGCA 1860

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DB 1861 GTGAAAGATTGATCAGTTGCTGTTCGAAACATGTGATTTGGAAGAGTTTCAGACCTGT 1920

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DB 1921 CTGTGCGGCACTGCAAGCATGCGTTTGGCTGTGCGTGTGCAACCTCTGCTGGA 1980

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2041	ACCTCTGTATCATGAAGCCACCTGTGGAAGATGGTTTGGAGAGGAGACGATGGAAAG	2100
2101	ACACAGCAACAAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCAAT	2160
2101	ACACAGCACACGTCCTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCAAT	2160
2161	ATGCTGAACCACTTCAGCGCATGCGCTATGCCAAGTCCCTCTTCAGCCCCAACITTCAGC	2220
2161	ATGCTGAACCACTTCAGCGCGCTATGCCAAGTCCCTCTTCAGCCCCAACITTCAC	2220
2221	GAGAAAGTGGGAGTTGCTTTGACCAATCAAGTCTGCTTTGGAGACTTTCACAAATG	2280
2221	GAGAAAGTGGGAGTTGCTTTGACCAATCAAGTCTGCTTTGGAGACTTTCACCAATG	2280
2281	CCCAAGCTGATCCCCCACTGAAGCCCTGTTTCTGGCGACATCGAGGAGATGAGGAG	2340
2281	CCCAAGCTGATCCCCCACTGAAGCCCTGTTTGGCGGACATCGAGGAGATGAGGAG	2340
2341	CGCAGGGAGAACGGGAGCTCGCGCAGGTGCGGGCGCCCTCTCTGTCCAGGAGCTGGCA	2400
2341	CGCAGGGAGAACGGGAGCTCGCGCAGGTGCGGGCGCCCTCTCTGTCCAGGAGCTGGCA	2400
2401	GGCGGCTCGGAGATGGGGAGCCTTCAGCAGAAGCGGGCCCAACACAGAGGAGCCACAGGCC	2460
2401	GGCGGCTCGGAGATGGGGAGCCTTCAGCAGAAGCGGGCCCAACACAGAGGAGCCACAGGCC	2460
2461	AAGAAAGTCAGAGCCCAAGTGA	2481
2461	AAGAAAGTCAGAGCCCAAGTGA	2481

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RESULT 12
US-09-398-686-225
; Sequence 225, Application US/09988696
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H. F.
; APPLICANT: Simard, Jacques M.
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

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7 FILE REFERENCE: 2318-258
7 CURRENT APPLICATION NUMBER: US/09/988,686
7 CURRENT FILING DATE: 2001-11-20
7 PRIOR APPLICATION NUMBER: 09/564,805
7 PRIOR FILING DATE: 2000-05-05
7 PRIOR APPLICATION NUMBER: US 60/107,468
7 PRIOR FILING DATE: 1998-11-06
7 PRIOR APPLICATION NUMBER: 09/434,382
7 PRIOR FILING DATE: 1999-11-05
7 NUMBER OF SEQ ID NOS: 240
7 SOFTWARE: PatentIn Ver. 2.0
7 SEQ ID NO 225
7 LENGTH: 2892
7 TYPE: DNA
7 ORGANISM: Gorilla gorilla
7 FEATURE:
7 NAME/KEY: CDS
7 LOCATION: (1)..(2478)
7 US-09-988-686-225

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Query Match	98.5%;	Score	2442.6;	DB	10;	Length	2892;
Best Local Similarity	99.0%;	Pred. No.	0;				
Matches	2457;	Conservative	0;	Mismatches	24;	Indels	0;
Gaps	0;						
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D5	1	ATGTGGCGCTTTGCTGCTGCTGGCTCGGGCGGACGACCATATCGCAGGAGCC	60				
Qy	61	ACCATATCGCAGGACCGCGCGCGCGGCGGCGCAAGGACCCGCTGGGCACTG	120				

51	DB	ACCATATCGCAGGACCCCGCCGCGGAGCGCGCGCAAGGACCCCGTCGGCGCACCTG	120
121	QY	CGACGCGAGAGAACGCGGACCGTTCGGGGTGTCTCCGGCGGCCCCAAACACCGGTGTACCTG	180
121	DB	CGACGCGAGAGAACGCGGACCGTTCGGGGTGTCTCCGGGGCCCCAAACACCGGTGTACCTG	180
181	QY	CAGGTGGTGGACGGGGTAGCGGGACATCGGGCGCGGGCTCTACGTCTTCTCCGAGTTTC	240
181	DB	CAGGTGGTGGACGGGGTAGCGGGACATCGGGCGCGGGCTCTACGTCTTCTCCGAGTTTC	240
241	QY	AACCGGTATCTCTTCAACTGTGGAGAACGGGTTTCAGAGCTCATCTCAGAGACACAAGTTA	300
241	DB	AACCGGTATCTCTTCAACTGTGGAGAACGGGTTTCAGAGCTCATCTCAGAGACACAAGTTA	300
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301	DB	AAGGTGTTTGGCTCGACAAACATATTCCTGCACAGAAATGCATGTGTAAATGTTGGGGC	360
361	QY	TTAAGTGAATGATTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA	420
361	DB	TTAAGTGAATGATTCTTACTTTAAAGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA	420
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421	DB	CCTCCACAGCTGGAAAAATACCTCGAAGCAATCAAATAATTTCTCGGTCCATTGAAAGGA	480
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481	DB	ATAGAACTGGCTGTGGGCCCCACTCTGTCCCGAGAAATACGAGATGAACACCATGACGTT	540
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541	DB	TACCAAGTCCCCATACACAGTGAACAGAGAGGGGAAAGCACCAACCATGGCAGAGTCCA	600
601	QY	GAAGGCTCTCAGCAGGCTCAGTCCAGAGCATCTTCAGACTCCGAGTCCGAATGAAAT	660
601	DB	GAAGGCTCTCAGCAGGCTCAGTCCAGAGCATCTTCAGACTCCGAGTCCGAATGAAAT	660
661	QY	GAGCCACACTTCCACATGGTGTATTGCCAGAGAAGAGGGGTGAGGACTCTTCCCTGGTC	720
661	DB	GAGCCACACTTCCACATGGTGTATTGCCAGAGAAGAGGGGTGAGGACTCTTCCCTGGTC	720
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721	DB	GTAGCTTTATCTGTAAAGTTTCACTTAAAGAGGAGAACTTCTTGTGTCTCAAAGCAAAG	780
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781	DB	GAGATGGGCTCCAGTTGGGACAGCTGCATCGCTCCCATCATTCCTGCTCAACGAC	840
841	QY	GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCCA	900
841	DB	GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCCA	900
901	QY	GATCTGTGTCTCTTTTGTGTGTGTAGAAATGCCAGATGAAGCTTCATTCAACCCATC	960
901	DB	GATCTGTGTCTCTTTTGTGTGTGTAGAAATGTCTCAGATGAAGCTTCATTCAACCCATC	960
961	QY	TGTGAGAAATGCCACTTTTTCAGAGGTACCAAGGAAAGGCGAGATGCCCGGTGGCTTGGTG	1020
961	DB	TGTGAGAAATGCCACTTTTTCAGAGGTACCAAGGAAAGGCGAGATGCCCGGTGGCTTGGTG	1020
1021	QY	GTTTCATGGCCCCCAGACTCTGTCTTGTGTGTGTGACAGCAGAGTACCAGAGTGGATGGAGAGG	1080
1021	DB	GTTTCATGGCCCCCAGAACTGTGTCTTGTGTGTGTGACAGCAGAGTACCAGAGTGGATGGAGAGG	1080
1081	QY	TTTGGGCTTGACACCCAGCACTTGGTCTTGAATGAGAACTGTGCTTCAGTTTCAACCTT	1140
1081	DB	TTTGGGCTTGACACCCAGCACTTGGTCTTGAATGAGAACTGTGCTTCAGTTTCAACCTT	1140
1141	QY	CGAGGCCAAGATTCAACCCAGCTCAACCTCATCCACCCGACATCTTCCCGCTGCTC	1200
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Db 482 ATAGAACTGGCTGTGCGGCCCACTCTGCCCAAGATACAGAGATGAACCAATGACAGTT 541  
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 Db 1802 CACATCAGTATGATTCCTTGCCTTCCCTTCCAGAGGGGTGAGATCTCCAGTCTCTGCA 1861  
 QY 1861 GTGGAAAGATTCATCAGTTCGCTGTGGAAACATCTGATTTGGAAAGATTTTCAGACCTGT 1920  
 Db 1862 GTGGAAAGATTCATCAGTTCGCTGTGGAAACATCTGATTTGGAAAGATTTTCAGACCTGT 1921  
 QY 1921 CTGGTGGCAGCTCAAGCATGCTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCT 1980  
 Db 1922 CTGGTGGCAGCTCAAGCATGCTTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCTGTGGCT 1981  
 QY 1981 GTGGTCTATTCGGGGACACCATGCCCTGCGAGGCTTGGCTGCGATGGGAAAGATGCC 2040  
 Db 1982 GTGGTCTATTCGGGGACACCATGCCCTGCGAGGCTTGGCTGCGATGGGAAAGATGCC 2041  
 QY 2041 ACCCTCTCTGATACATGAAGCCACCTTGGAGAGATGTTTGGAAAGAGAGAGTGGAAAG 2100  
 Db 2042 ACCCTCTCTGATACATGAAGCCACCTTGGAGAGATGTTTGGAAAGAGAGAGTGGAAAG 2101  
 QY 2101 ACACAGACACAACTGCCAAGCCATCAGCTGGGGATGCCGATGACGCGAGTTCATT 2160  
 Db 2102 ACACAGACACAACTGCCAAGCCATCAGCTGGGGATGCCGATGACGCGAGTTCATT 2161  
 QY 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGCTTCCCTCTTCAGCCCCCACTTCAGC 2220  
 Db 2162 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGCTTCCCTCTTCAGCCCCCACTTCAGC 2221  
 QY 2221 GAGAAAGTGGAGTGTGCTTTGACACATGAAGTGTGCTTTGGAGAGCTTTTCCAACTG 2280  
 Db 2222 GAGAAAGTGGAGTGTGCTTTGACACATGAAGTGTGCTTTGGAGAGCTTTTCCAACTG 2281  
 QY 2281 CCCAAGCTCATTTCCCACTGAAAGCCCTGTTGCTGGGACATCGAGAGATGGAGGAG 2340  
 Db 2282 CCCAAGCTCATTTCCCACTGAAAGCCCTGTTGCTGGGACATCGAGAGATGGAGGAG 2341  
 QY 2341 CGCAGGAGAGAGCGGAGCTGCGCAGGTGCGGGGGGCGCTCTCTGCTCCAGGAGCTGGCA 2400  
 Db 2342 CGCAGGAGAGAGCGGAGCTGCGCAGGTGCGGGGGGCGCTCTCTGCTCCAGGAGCTGGCA 2401  
 QY 2401 GGGGCTTGGAGATGGGAGCTCAGCAGAGAGGGGGCCACACAGAGAGCCACAGGCC 2460  
 Db 2402 GGGGCTTGGAGATGGGAGCTCAGCAGAGAGGGGGCCACACAGAGAGCCACAGGCC 2461  
 QY 2461 AAGAAGCTCAGAGCCCACTGA 2481  
 Db 2462 AAGAAGCTCAGAGCCCACTGA 2482

RESULT 14  
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 ; GENERAL INFORMATION:  
 ; APPLICANT: Tavtigan, Sean V.  
 ; APPLICANT: Teng, David H.F.  
 ; APPLICANT: Simard, Jacques  
 ; APPLICANT: Rommens, Johanna M.  
 ; APPLICANT: Myriad Genetics, Inc.  
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility





Db 1039 AGGTTGGGGCTGACACACAGCAGCTGATTTGAAATGAGAATTTGCCCTCGGTCCACAAC 1098  
Qy 1138 CTTCCGAGCCCAAGATTCAAAACCAGCTCAACTCATCCACCGGACATCTTCCCCCTG 1197  
Db 1099 CTGGCAGGCCAAGATTGAGCCAGCTCAGCCTCATCCACCTGACATCTTCCCCCTG 1158  
Qy 1198 CTCACCAAGTTTCGCTGTAAGAGGAGGGCCCAACCTCAGTGTGCCCATGGTTCAAGGT 1257  
Db 1159 CTTACCAAGTTCTATAGTAGGAGGAGGGTCCACCTCAGCGTGCACACAGTTCCGGGT 1218  
Qy 1258 GAATGCCCTCTCAAGTACCAAGCTCGTCCAGAGGAGGAGTGGCAGAGGATGCCATTAAT 1317  
Db 1219 GAATGCCCTCTCAAGTATTCAGTCCGCCCCCAAGAGAGAGTGGCAGAGGATGCCACATC 1278  
Qy 1318 ACTTGCATCTGAGGAATTCATAGTTGAGCGCTGCAGCTTCCCACTTCCAGCAGAGC 1377  
Db 1279 GACTGCAATCTGATGAATTCATAGCTGAGGCTTGGAGCTCCCGAGTTCCAGGAGT 1338  
Qy 1378 GTGCAGGAGTACAGAGGAGTGCAGAGCGGCCCGCCAGCCCGCAGAGAGAAAGTFCAG 1437  
Db 1339 GTGGAGGAGTATCGAAGACGTCAGGAAACCCAGCCCGCAGCAGAGAAAGAGCCAG 1398  
Qy 1438 TACCCAGAAATCATCTTCTTGGACAGGCTGCCATCCCGATGGAAGATTCGAATGTC 1497  
Db 1399 TATCCTGAATTTGCTTCTCTGGGTACGGGGTCTGCCATCCCAATGGAGATCCGAAATGTC 1458  
Qy 1498 AGTGCCACACTTGTCAACATAAGCCCGACACAGCTCTCTGTACTTGGACTGTGTGAGGGC 1557  
Db 1459 AGTTCCACACTCGTCAACCTTAAGCCCTGACAAGTCAGTGTCTCTGGATTTGGAGAGGC 1518  
Qy 1558 ACATTTGGGAGCTGTGCGCTCATACGAGAACAGGTGGACAGGCTCTGGGACCCCTG 1617  
Db 1519 ACTTTTGGGCACTGTGCGCTCATACGAGCAAGAAATAGACCCAGTCTTATGAGCCCTC 1578  
Qy 1618 GCTGCTGTGTTGTGCTCCACTGACGACAGATCACCACAGGCTTGCCTAAGTATCTTG 1677  
Db 1579 ACGGCTGTGTTGTGCTCCACTGACGCGCCAGCACCACACAGGCTTGTGATATCTTG 1638  
Qy 1678 CTGCAGAGAGAACGCGCTTGGCATCTTTTGGGAAAGCGCTTACCCCTTGTGCTGGTGT 1737  
Db 1639 CTGCAGAGAGAGCATGCGTTGGCATCTCTGGGAAACCCCTTCCAGCCCTTGTGCTG 1698  
Qy 1738 GCCCCCAACAGCTCAAGCCCTGCTCCAGCAGTACCAACAGTGCAGGAGTCTCTG 1797  
Db 1699 GCTCCTACCCAGCTCAGGCGCTGCTGAGCAGTATCAACCCACTGCCAGAGATTCG 1758  
Qy 1798 CACCACATCAGTATGATTTCTGCCAAATCCCTTCAAGGAGGGGTGAGATCTCCAGTCT 1857  
Db 1759 CACCAGTCAATGATTTCTGCCAAATGCTTTCAGAAAGGGGAGAGTCTCCAAATCT 1818  
Qy 1858 GAGTGGAAAGATTGATCAGTTGCTGTGCGACATGATTTGGAGAGTTCAGACC 1917  
Db 1819 ACATTTGGAAGCTGATAAGCTGTGTGGAACATGTGACTTTAGAAGAAATTTCCAGCC 1878  
Qy 1918 TGTGTGTGCGGCACTGCAAGCATCGTTTGGCTGTGCTGTGCTGTCACACCTCTGGCTG 1977  
Db 1879 TGCTGTGTACGCACTGCAAGCATGCTTTTGGCTGTGCACTGGTACATTCATCTGGCTG 1938  
Qy 1978 AAAGTGTCTATTTCCGGGACACCATGCTCCGAGGCTCTGGTCCGATGGGAAAGAT 2037  
Db 1939 AAAGTGTCTACTCCGGGGATACCATGCTCTGTGAGGCTCTGGTCCAGATGGGAAAGAT 1998  
Qy 2038 GCCACCTCTCATATACATGAAGCCCTTGGAAAGATGGTTTGGAAAGAGAGAGTGGAA 2097  
Db 1999 GCCACCTCTCATATACATGAAGCCCTCTGGAGGATCNCCTTGGAAAGAGAGAGATAGAG 2058  
Qy 2098 AAGACACACAGACAAAGCTCCCAAGCCATCAGCGTGGGATGCGGATGAACGCGGATTC 2157  
Db 2059 AAGACACACAGACAAAGCTCCCAAGCTATTAATGTGGGATGCGGATGAATGCGGATTC 2118  
Qy 2158 ATTATGCTGAACACTTCAGCAGGCTATGCCAGGCTCCCTCTCTCAGCCCAACTTC 2217  
Db 2119 ATCATGCTGAACACTTCAGTCAAGGATACGCAAGATCCCTCTTTCAGCCCTGACTTC 2178

Qy 2218 AGCGAGAAAGTGGAGTTGCTTTTGAACCATGAAGTCTCTTTGGAGACTTTTCCACA 2277  
Db 2179 AACGAGAAAGTTGGCATCGCTTTGACCATGAAGTCTGNTTTGGAGACTTTCCCGACA 2238  
Qy 2278 ATGCCCAAGCTGATTTCCCGCACTGAAAGCCCTGTTTGTGCGGACATCGAGGAGATGGAG 2337  
Db 2239 GTGCCCAAGCTGATTTCCCGCACTGAAAGCCCTGTTTTCAGGTGACATTTGAAGAGATGGTG 2298  
Qy 2338 GAGCCGAGGAGAAAGCGGAGCTGCGGAGGTGCGGGCGCCCTCTGTCTCAGGGAGCTG 2397  
Db 2299 GAACCCAGGAGAGAGGAGCTACGGCTGTGCGAGCAGCCCTCTGACC---CAGCAG 2355  
Qy 2398 GAGCGCGCTTGGAGGATGGGAGCTTACGAGAGCGGGGCCACACAGAGGAGCCACA 2456  
Db 2356 GCAGACAGCCCGAGAGACAGAGAAACCCCAACAGAAAGCGGGGCCACACAGATGAACCA 2414

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